

T O W N O F
R E A D I N G
M A S S A C H U S E T T S

T H E A N N U A L
R E P O R T

For the Financial Year
Ended December 31st

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TOWN OF READING

ANNUAL REPORT

-FOR THE-

FINANCIAL YEAR ENDED
DECEMBER 31

1929

Reading Chronicle Press
Reading, Mass.

TOWN OFFICERS 1929-1930

Elected and Appointed

Board of Selectmen

CHARLES F. TREVOR, Chairman	Term expires 1931
MOLLIE A. SWEETSER, Secretary	" " 1930
W. HOMER MORRISON	" " 1932
LEON G. BENT, Clerk	

Board of Public Welfare

MARY F. DANIEL, Chairman	Term expires 1932
ANNIE E. PATRICK, Secretary	" " 1930
CHARLES F. TREVOR	" " 1931
LEON G. BENT, Clerk	HELEN A. BROWN, Visitor

Board of Assessors

J. FRED RICHARDSON, Chairman	Term expires 1931
ALVAH W. CLARK, Secretary	" " 1930
GEORGE E. HORROCKS	" " 1932

Town Clerk

MILLARD F. CHARLES

Treasurer

PRESTON F. NICHOLS

Collector of Taxes

GRACE V. VIALI

Town Counsel

MELVILLE F. WESTON

Moderator

CHARLES P. HOWARD

Town Accountant

LEON G. BENT

Board of Public Works

SAMUEL H. DAVIS, Chairman	Term expires 1930
HAROLD W. PUTNAM, Secretary	" " 1931
MILES C. HIGGINS	" " 1930
MARTIN B. HARTSHORN	" " 1931
WILLIAM T. FAIRCLOUGH	" " 1932
WILLIAM J. LUMBERT, Supt.	

Board of Health

EDWARD M. HALLIGAN, M. D., Chairman	Term expires 1931
CHRISTINE F. ATKINSON, Secretary	" " 1930
GEORGE W. S. IDE	" " 1932

Finance Committee

ROBERT B. MOUNT, Chairman	Term expires Mar. 31, 1930
FOREST H. BRYANT	" " " " 1930
JAMES W. FAIRCHILD	" " " " 1930
LAURA S. GORDON	" " " " 1930
HOWARD P. KNOX	" " " " 1930
*EARLE B. ORDWAY	" " " " 1931
EDWARD W. BRIGGS	" " " " 1931
WILLIAM A. CONNELLY, D. M. D.	" " " " 1931
JOHN L. DEVANEY	" " " " 1931
MARGARET R. ELLISON	" " " " 1931
HARRY G. PORCH	" " " " 1931
PEARL M. BURGESS	" " " " 1932
WILLIAM A. HALEY	" " " " 1932
J. WARREN KILLAM, JR.	" " " " 1932
ORLANDO C. MOYER	" " " " 1932
EDWARD J. SCOTT	" " " " 1932

LEON G. BENT, Clerk

School Committee

CARL M. SPENCER, Chairman	Term expires 1930
MARION B. TEMPLE	" " 1930
JOSEPHINE L. FOWLER	" " 1931
ARTHUR W. COOLIDGE	" " 1931
HAROLD A. CARNES, D. M. D.	" " 1932
LOGAN R. DICKIE	" " 1932

ADELBERT L. SAFFORD, Secretary

Superintendent of Schools

ADELBERT L. SAFFORD

School Attendance Officer

ABIGAIL H. MINGO

Municipal Light Board

HENRY R. JOHNSON, Chairman	Term expires 1932
HERBERT G. EVANS, Secretary	" " 1930
HARRY P. BAKER	" " 1931

ARTHUR S. SIAS, Manager

Board of Cemetery Trustees

PHILIP H. TIRRELL, Chairman	Term expires 1930
CLARENCE C. WHITE, Secretary	" " 1932
FRANK LEE EDGERLEY	" " 1931
FRED L. NUTTER	" " 1931
WINTHROP D. PARKER	" " 1932
HAROLD F. DAVIS	" " 1930

*Resigned.

Board of Registrars

WALTER S. PRENTISS, Chairman	Term expires 1931
OWEN McKENNEY	" " 1930
ROBERT S. RALSTON	" " 1932
MILLARD F. CHARLES, Clerk	

Planning Board

LELAND W. KINGMAN, Chairman	Term expires 1932
FREDERICK E. BOYERS, Secretary	" " 1931
GEORGE W. DAVIS	" " 1930
WINTHROP D. PARKER	" " 1931
GEORGE W. G. POOLE	" " 1932

Trustees of Public Library

ARTHUR N. MANSFIELD, Chairman	Term expires 1930
*EDITH BANCROFT, Secretary	" " 1930
JESSE W. MORTON	" " 1931
RALPH S. KENEELY	" " 1931
IDA C. LUCAS	" " 1932
HARRY J. BARCLAY	" " 1932
§JENNIE F. WEEKS	" " 1930

Board of Appeal

HENRY Q. MILLETT, Chairman	FRED L. NUTTER, Secretary
CHARLES A. DAMON	

Commissioners of Trust Funds

PHILIP H. TIRRELL, Chairman	Term expires 1935
H. RAYMOND JOHNSON	" " 1931
CLARENCE C. WHITE	" " 1933
Town Treasurer and Chairman of Selectmen members ex officiis	

Police Department

JEREMIAH CULLINANE, Chief	
FRANCIS T. SLACK, Sergeant	
TIMOTHY J. CULLINANE	PATRICK J. LONG
FRANK R. FISHER	OSCAR H. LOW
FRANCIS L. JOHNSON	GORDON G. MacINTIRE
EARL HUTCHINSON	HAROLD W. O'BRIEN
JAMES H. LAWLER	WILLIAM F. O'BRIEN
THOMAS E. WALL	

*Resigned.

§Elected to fill vacancy.

Fire Department

ORVILLE O. ORDWAY, Chief

HUGH L. EAMES, Capt.	JOHN J. O'BRIEN, Capt.
FRANK L. MCKENNEY	CHARLES H. HESELTON
GEORGE W. GOODRIDGE	WILLIAM H. VAN HORN
HERBERT L. ROBERTSON	ALBERT C. MAXWELL

Superintendent of Fire Alarm

HUGH L. EAMES

Forest Warden

O. O. ORDWAY

Deputy Forest Warden

HENRY M. DONEGAN

Constables

LEON G. BENT

J. WINTHROP SIAS

Inspector of Milk

CARL M. SMITH

Inspector of Plumbing and Gas Inspector

DAVID TAGGART

Inspector of Animals

CALVERT H. PLAYDON, M. D. V.

Inspector of Wires

HUGH L. EAMES

Inspector of Building

A. RUSSELL BARNES

Sealer of Weights and Measures

CARL M. SMITH

Superintendent of Moth Work and Tree Warden

HENRY M. DONEGAN

Burial Agent for Deceased Soldiers and Sailors

ALFRED E. GOODWIN

Custodian of Soldiers' Graves

WALTER I. SWEETSER

Inspector of Slaughtering

CHARLES R. HERRICK

Measurers of Wood and Bark

THOMAS E. BROGAN	PERCY N. SWEETSER
BURTON K. SYMONDS	WARREN M. WHITEHOUSE

Measurers of Lumber

ORA L. MILBURY	BURTON K. SYMONDS
WARREN M. WHITEHOUSE	WILLIAM R. ZWICKER
EDWARD B. EAMES	ROLLAND L. PERRY

Weighers of Coal and Hay

W. IRVING BANCROFT	THOMAS E. BROGAN
BERTHA D. MacLELLAN	MABEL L. MacKAY
WENDELL B. NEWELL	PERCY N. SWEETSER
CHARLES W. LEE	WILLIAM H. WHITE

Field Drivers

WILLARD A. BANCROFT	ADOLPH S. LARSEN
ROLLAND L. PERRY	

Fence Viewers

CARL B. SAWYER	ALBERT E. TEMPLE
WENDELL B. NEWELL	

Director of Agriculture and Home Economics

(Chapter 128, Section 41, General Laws)

ROLLAND L. PERRY

Soldiers' Memorial Committee

ELIAS B. CURRELL, Chairman	GRACE B. SHEPARDSON
SALLY F. BUCK	LELAND W. KINGMAN
SAMUEL H. DAVIS	WINTHROP D. PARKER
FRANK D. TANNER	DANIEL H. SHAY

Safety Council

FLORENCE H. LIBBY	GLADYS S. N. FAIRCHILD
ALVAH W. CLARK	EDWARD G. QUINLAN
ADELBERT L. SAFFORD	JEREMIAH CULLINANE
WILLIAM J. LUMBERT	

Committee on Revision of Zoning By-Laws

HENRY R. JOHNSON	WILLARD P. ADDEN
JAMES P. BROWN	Members of Planning Board

Committee on Town Forests

ORVILLE O. ORDWAY	J. FRED RICHARDSON
W. FRANKLIN BURNHAM	

Committee on Revision of Building Laws

ELIAS B. CURRELL, Chairman	FRANK E. GRAY
HAROLD F. PARKER	ARTHUR MICHELINI
WINTHROP D. PARKER	

TOWN OF READING

Population 1925 Census: 8693.

Registered Voters 1929: Men 2219, Women 2288, Total 4507.

Fifth Congressional District.

Sixth Councillor District.

Seventh Middlesex Senatorial District.

Eighteenth Middlesex Representative District.

Representative in Congress, 5th District, Edith Nourse Rogers, Lowell.

Councillor 6th District, Harvey L. Boutwell, Malden.

Senator 7th Middlesex District, Joseph R. Cotton, Lexington.

Representatives 18th Middlesex District, Louis Ellenwood, Reading;
Wilford A. Walker, Woburn.

LIST OF JURORS FOR 1929-1930

Prepared by the Board of Selectmen

Abbott, Edwin K., Clerk	12 Bancroft Ave.
Ainsworth, Walter C., Steamfitter	Cross St.
Albee, George H., Clerk	12 Mineral St.
Bancroft, Arthur W., Clerk	55 West St.
Bancroft, Elmer P., Contractor	16 Berkeley St.
Barr, Harry C., Merchant	31 Highland St.
Beaman, Thos. W., Optometrist	48 Pearl St.
Beasley, Geo. W., Merchant	33 Pearl St.
Boyers, Frederick E., Bookkeeper	45 Howard St.
Briggs, Edw. W., Treasurer	40 John St.
Brown, George H., Salesman	97 Prescott St.
Brown, Rodney W., Banker	89 Prospect St.
Bryant, Forest H., Adjuster	11 Lowell St.
Burgess, Pearl M., Merchant	6 Dudley St.
Burgess, Robert S., Insurance Agent	28 Pratt St.
Carfrey, Jacob H., Salesman	256 Main St.
Carleton, Philemon P., Clerk	81 Prospect St.
Carter, Thomas E., Foreman	25 Auburn St.
Chase, Isaac, Mechanic	116 West St.
Comey, Herbert D., Insurance	15 Washington St.
Cook, Arthur S., Insurance	59 Bancroft Ave.
Crocker, Harvey S., Salesman	50 Prescott St.
Crooker, Elmer P., Real Estate	70 Salem St.
Cushing, Charles E., Real Estate	42 Howard St.
Devaney, Martin L., Bookkeeper	59 Ash St.
Dickie, Logan R., Salesman	26 Hartshorn St.

Fairclough, William T., Civil Engineer	Grove St.
Foster, Arthur J., Farmer	18 Mineral St.
Frost, Edgar, Surveyor	35 Oak St.
Gale, Roger D., Chemist	8 Dudley St.
Gascoigne, Albert P. E., Builder	34 Chute St.
Goddard, Frank E., Bookkeeper	44 Scotland Rd.
Graupner, Albert C., Meat Cutter	35 Pleasant St.
Haley, William A., Salesman	21 Hillcrest Rd.
Hawkins, Louis O., Piano Worker	21 Arlington St.
Hopkins, Walter S., Merchant	348 Summer Ave.
Howe, Benjamin, Office Manager	29 Howard St.
Johnson, Harry H., Bookkeeper	3 Dudley St.
Johnson, Henry R., Merchant	193 Main St.
Killam, James W., Civil Engineer	16 Arlington St.
Kimball, Arthur R., Manufacturer	40 Chute St.
Knox, Howard P., Merchant	35 Walnut St.
Larrabee, George E., Salesman	394 Main St.
Littlefield, Ray E., Manufacturer	16 Mt. Vernon St.
MacDonald, Alexander F., Bookkeeper	16 Locust St.
Marston, Charles H., Accountant	41 Prescott St.
McCaughy, Joseph, Foreman	11 Elliott St.
McKay, Herbert L., At Home	51 Spring St.
Mecham, Mark, Bookkeeper	19 Arlington St.
Merritt, Robert M., Salesman	1 Dudley St.
Millett, Henry Q., Auditor	59 Linden St.
Morrison, William H., Solicitor	29 Pleasant St.
Murphy, Howard J., Manufacturer	255 Main St.
Mussells, George A., Accountant	38 Bancroft Ave.
Nauss, George B., Broker	42 Hillcrest Rd.
Nodding, Leonard J., Salesman	42 Berkeley St.
Noyes, Herman M., Buyer	57 Howard St.
Nutting, Frank H., Salesman	31 Hillcrest Rd.
Owen, John W., Civil Engineer	155 Main St.
Parker, Harold F., Insurance	24 Pratt St.
Parker, J. Scott, Expressman	77 Woburn St.
Parker, Percival, Salesman	64 Washington St.
Paul, Theodore L., Accountant	2 Cross St.
Perkins, Thomas, Superintendent	29 Woburn St.

Pinkham, Carl W., Voicer	24 Pleasant St.
Platts, Clifton M., Auditor	44 Prospect St.
Pomfret, George H., Bookkeeper	13 Winter St.
Prentiss, Archer R., Insurance	33 Berkeley St.
Ralston, Robert S., Compositor	1A Dudley St.
Richardson, Charles L., Broker	302 Summer Ave.
Richardson, Charles W., Clerk	107 Haven St.
Roberts, Arthur E., Treasurer	128 Summer Ave.
Robinson, Joseph E., Insurance	60 Lowell St.
Rogers, Ernest W., Merchant	90 Middlesex Ave.
Rogers, John S., Bookkeeper	28 Deering St.
Ruggles, Walter C., Manufacturer	10 Fremont St.
Scott, Edward J., Treasurer	8 Fremont St.
Sias, Wilbur S., Machinist	430 Main St.
Smith, Carl M., Druggist	10 Linden St.
Smith, Frank A., Draughtsman	29 Berkeley St.
Spencer, Carl M., President	21 Pratt St.
Stembridge, Alfred R., Salesman	56 Mineral St.
Stevens, Frank M., Special Agent	4 School St.
Stevens, Melvin L., Clerk	343 Pearl St.
Stimpson, George H., Voicer	7 Kingston St.
Sweetser, Percy N., Merchant	110 Woburn St.
Thompson, Sylvanus L., Mechanic	8 Intervale Ter.
Torrey, Howard, At Home	159 Summer Ave.
Tucker, Frank E., Clerk	22 Avon St.
Underwood, William T., Salesman	97 Woburn St.
Van Buskirk, Joseph B., Real Estate	40 Hanscom Ave.
Veazie, Harold K., Clerk	48 John St.
Wells, Charles D., Blacksmith	55 Prescott St.
Whitchurch, Ruel L., Farmer	279 Franklin St.
Wilson, Richard N. B., Auditor	169 Woburn St.
Wilson, W. Fred, Salesman	24 Arlington St.
Winslow, Warren L., Insurance	65 Mineral St.
Worthen, Arthur B., Salesman	51 Grand St.
Wright, Mark S., Treasurer	13 Ridge Rd.
Young, Frank W., Tailor	19 Highland St.

CHARLES F. TREVOR
MOLLIE A. SWEETSER
W. HOMER MORRISON

Selectmen of Reading.

TOWN MEETINGS, 1929

ANNUAL TOWN MEETING

Security Hall, Woburn St., March 4, 1929.

Pursuant to the warrant duly issued and posted according to law, a town meeting was held at the time and place therein specified. The meeting was called to order by the Town Clerk. No Moderator being present, an election was held for a Moderator pro tem. Whole number of votes cast for Moderator pro tem. was five, all of which were for Charles F. Trevor, who was declared duly elected Moderator pro tem. The warrant was read including Article 1 when it was moved by Forest T. Staples that further reading be dispensed with except the Constable's return which was duly voted. The Constable's return was then read.

Article 1. To bring in their votes on one ballot for Moderator; one member of the Board of Selectmen for three years; one member of the Board of Selectmen for one year; Treasurer; Collector of Taxes; one member of the Board of Assessors for three years; Town Clerk; one member of the Board of Public Works for three years; Tree Warden; one member of the Board of Health for three years; one member of the Board of Public Welfare for three years; one member of the Board of Public Welfare for one year; two members of the School Committee for three years; two Trustees of the Public Library for three years; one member of the Municipal Light Board for three years, two members of the Board of Cemetery Trustees for three years; one member of the Board of Cemetery Trustees for one year; two Constables; two members of the Planning Board for three years; one member of the Planning Board for one year.

Moderator, One Year

Charles P. Howard, 122 Summer Ave.	2101
Blanks	490

Town Clerk, One Year

Millard F. Charles, 66 Bancroft Ave.	1574
George L. Pratt, 71 Salem St.	934
Blanks	83

Selectman, Three Years

W. Homer Morrison, 29 Pleasant St.	2109
Blanks	482

Selectman, One Year

Harry N. Brown, 55 Grand St.	262
Elias B. Currell, 7 Woodward Ave.	556
Frank E. Gray, 91 Middlesex Ave.	662
Mollie A. Sweetser, 110 Woburn St.	1015
Blanks	96

Board of Public Welfare, Three Years

Mary F. Daniel, 17 Harnden St.	1988
Blanks	603

Board of Public Welfare, One Year

Frank E. Gray, 91 Middlesex Ave.	1182
Annie E. Patrick, 312 Main St.	1214
Blanks	195

Assessor, Three Years

Edward B. Eames, 193 Main St.	812
George E. Horrocks, 25 Pleasant St.	1653
Blanks	126

Treasurer, One Year

Preston F. Nichols, 56 Linden St.	2244
Blanks	347

Tax Collector, One Year

Grace V. Viall, 42 Bancroft Ave.	2296
Blanks	295

Board of Public Works, Three Years

William T. Fairclough, Grove St.	1194
Edwin C. Hanscom, Wells Road	1050
Blanks	247

Constables, One Year

Leon G. Bent, 215 Main St.	2042
James Winthrop Sias, 5 Salem St.	1903
Blanks	1227

Tree Warden, One Year

Henry M. Donegan, 15 Federal St.	2298
Blanks	293

Municipal Light Board, Three Years

Henry R. Johnson, 193 Main St.	1952
Blanks	639

School Committee, Three Years

Theodore P. Berle, 126 Ash St.	716
Harold A. Carnes, 31 Grand St.	1376
Logan R. Dickie, 24 Hartshorn St.	1412
Laura S. Gordon, 93 Haven St.	1078
Blanks	600

Board of Health, Three Years	
George W. S. Ide, 15 Gardner Road	1269
Calvert H. Playdon, 112 Ash St.	1085
Blanks	237
Trustees Public Library, Three Years	
Harry J. Barclay, Vale Road	1919
Ida C. Lucas, 435 Franklin St.	1976
Blanks	1287
Cemetery Trustees, Three Years	
Winthrop D. Parker, 1 Charles St.	1993
Clarence C. White, 26 Sanborn St.	2161
Blanks	1028
Cemetery Trustee, One Year	
Harold F. Davis, 10 Forest St.	2069
Blanks	522
Planning Board, Three Years	
Leland W. Kingman, 7 Echo Ave.	1969
George W. G. Poole, 30 Walnut St.	276
Charles F. Gormlie, 36 Pearl St.	163
Charles A. Holcomb, 6 John St.	126
Daniel H. Shay, 127 West St.	18
Blanks and Scattering	1974
Planning Board, One Year	
George W. Davis, Ordway Terrace	186
Daniel H. Shay, 127 West St.	127
Arthur A. Libby, 88 Prospect St.	3
Blanks and Scattering	2275

The votes were counted and declared in open Town meeting, sealed and delivered to the Town Clerk, whereupon the meeting was adjourned to meet as per warrant on Monday, March 11, 1929, at seven o'clock and forty-five minutes P. M.

MILLARD F. CHARLES, Town Clerk.

ANNUAL TOWN MEETING

Security Hall, Woburn St., March 11, 1929.

Pursuant to the warrant a meeting was held at the time and place specified therein and was called to order by the Moderator, Charles P. Howard. The Town Clerk partially read the warrant when it was moved by Charles F. Trevor that further reading of the warrant be dispensed with except the Constable's return, and it was so voted. The Constable's return was then read and the meeting proceeded to act on the following articles.

Article 2. To hear and act on the reports of the Board of Selectmen; Town Accountant; Treasurer; Collector of Taxes; Board of Assessors; Board of Public Works; Town Clerk; Tree Warden; Board of Health; Board of Public Welfare; School Committee; Public Library Trustees; Municipal Light Board; Board of Cemetery Trustees; Finance Committee; Planning Board or any other Boards and Special Committees.

Article 2. On motion of Charles F. Trevor, it was voted to lay this article on the table.

Article 3. To choose all other necessary town officers and determine what instructions shall be given town officers and special committees.

Article 3. On motion of Charles F. Trevor, it was voted that the following be chosen to serve as Measurers of Lumber for the ensuing year: Ora L. Milbury, Edward B. Eames, Burton K. Symonds, William R. Zwicker, Warren M. Whitehouse and Rolland L. Perry; and the following as Measurers of Wood and Bark: Percy N. Sweetser, Burton K. Symonds, Thomas E. Brogan and Warren M. Whitehouse.

Article 4. To determine how much money the Town will raise and appropriate for General Government, Protection of Persons and Property, Health and Sanitation, Highways, Charities, Soldiers' Benefits, Schools, Public Library, Recreation, Cemetery Department, Memorial Day Observance, Municipal Light Department, Water Department, Maturing Debt, Interest, Insurance, and General Accounts.

Article 4. On motion of Charles F. Trevor, it was voted that \$23,630.00 be raised and appropriated for General Government as follows:

Selectmen's Expenses	\$ 300.00
Selectmen's Clerical	1,310.00
Town Accountant's Salary	2,000.00
Treasurer's Salary	1,200.00
Treasurer's Expenses	600.00
Collector's Salary	2,300.00
Collector's Expenses	1,000.00
Collector's Clerical	200.00
Assessors' Salaries	1,800.00
Assessors' Expenses	1,400.00
Assessors' Clerical	2,720.00
Block System Survey	500.00
Town Counsel's Salary	500.00
Town Counsel's Expenses	100.00
Town Clerk's Salary	350.00
Town Clerk's Expenses	600.00

Board of Public Works, Salaries & Office Expenses	6,000.00
Registrars of Voters' Salaries	250.00
Election and Registration Expenses	500.00

\$ 23,630.00

Article 4. On motion of Samuel H. Davis, it was voted that the sum of forty-five thousand dollars, (\$45,000.00) be raised and appropriated for maintenance and construction also repairs of highways, the purchase of materials, tools and appliances, and for the payment of any other incidental expenses pertaining thereto. \$ 45,000.00

Article 4. On motion of Samuel H. Davis, it was voted to raise and appropriate the sum of eight thousand dollars (\$8,000.00) for sidewalk and curb construction. \$ 8,000.00

Article 4. On motion of Samuel H. Davis, it was voted that five thousand dollars (\$5,000.00) be raised and appropriated for the removal of snow and ice. \$ 5,000.00

Article 4. On motion of Samuel H. Davis, it was voted that the sum of three thousand dollars be raised and appropriated for the maintenance of storm drains and waterways. \$ 3,000.00

Article 4. On motion of Charles F. Trevor, it was voted that \$42,625.00 be raised and appropriated for General Accounts as follows:

Miscellaneous Expenses	\$ 2,500.00
Municipal Building Maintenance	3,000.00
Fire Stations, Maintenance and Repairs	1,600.00
G. A. R. Rooms Lighting	25.00
Insurance	2,500.00
Interest	33,000.00

\$ 42,625.00

and that \$38,000.00 be appropriated from the Excess and Deficiency Account for the payment of maturing debt, not including water, sewer and light loans.

Article 4. On motion of Samuel H. Davis, it was voted that the Town raise and appropriate \$7,910.00 for Hydrant rentals and \$100.00 for drinking fountains and that the above-mentioned sums, together with the Water Dept. receipts estimated at \$52,945.00, and the balance on hand, January 1, 1929 of \$8,083.82 be appropriated for the payment of Water Bonds, interest on bonds, maintenance and operation and construction of water works. \$ 8,010.00

Article 4. On motion of Samuel H. Davis and as amended by Robert B. Mount, it was voted that the sum of two thousand five hundred dollars be raised and appropriated for the care of the Common, Parks and Supervised Play. \$ 2,500.00

Article 4. On motion of Charles F. Trevor, it was voted to raise and appropriate the sum of \$66,892.00 for Protection of Persons and Property as follows:

Police Department Maintenance	\$ 2,500.00
Police Dept. Salaries including Special Officers	28,000.00
Fire Dept. Maintenance	2,200.00
Fire Dept. Salaries	19,300.00
Fire Dept. Call Men Salaries	3,367.00
Fire Alarm Maintenance and Extension	1,050.00
Moth Dept. Maintenance	6,000.00
Tree Warden Maintenance	2,500.00
Forest Warden Maintenance	500.00
Inspector of Buildings' Salary	500.00
Inspector of Wires' Salary	200.00
Inspector of Wires' Expenses	50.00
Sealer of Weights and Measures' Salary	500.00
Sealer of Weights and Measures' Expenses	225.00
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	\$ 66,892.00

Article 4. On motion of Charles F. Trevor, it was voted that there be raised and appropriated for Health and Sanitation \$6,800.00 as follows:

Board of Health Salaries	\$ 300.00
Board of Health Expenses	1,100.00
Inspector of Plumbing Salary	800.00
Inspector of Animals' Salary	200.00
Inspector of Milk Salary	100.00
Care of Contagious Diseases	2,000.00
Garbage Collection	2,300.00
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	\$ 6,800.00

Article 4. On motion of Mary F. Daniel it was voted to raise and appropriate \$5,800.00 for Soldiers' Benefits as follows:

State Aid	\$ 300.00
Military Aid	500.00
Soldiers' Relief	5,000.00
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	\$ 5,800.00

Article 4. On motion of Mary F. Daniel, it was voted to raise and appropriate \$17,452.00 for Charities and Aid as follows:

Visitor's Salary	\$ 600.00
Clerical Salary	352.00
Aid, Board and Care	10,000.00

Mothers' Aid	4,000.00
Temporary Aid	2,500.00
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	\$ 17,452.00

Article 4. On motion of Arthur G. Sias, it was voted that there be included in the tax levy for electricity used for street lights the sum of \$13,000.00 and that said sum, and the income from sales of electricity to private consumers, other municipalities, and to municipal buildings and the income from appliance and jobbing sales during the current fiscal year be appropriated for the municipal lighting plant, the whole to be expended by the manager of municipal lighting under the direction and control of the Municipal Light Board for the expense of the plant for said fiscal year as defined in Section 57 of Chapter 164 of the General Laws and that, if there shall be any unexpended balance thereof at the end of the said fiscal year, such balance shall be transferred to the construction fund of said plant and appropriated and used for such additions thereto as may be authorized by the Municipal Light Board during the next fiscal year, and said Board is further authorized to transfer from the operation fund to the construction fund an amount not exceeding \$15,000.00 to be expended for new construction during 1929.

\$ 13,000.00

Article 4. On motion of Carl M. Spencer, it was voted to raise and appropriate for Schools the following sums:

General Maintenance	\$ 56,000.00
General Salaries	172,000.00
Agricultural Maintenance	300.00
Agricultural Salaries	2,800.00
Industrial Tuition	500.00
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	\$231,600.00

Article 4. On motion of Arthur N. Mansfield, it was voted to raise and appropriate \$7,500.00 for the support of the Public Library as follows:

Library Maintenance	\$ 3,000.00
Library Salaries	4,500.00
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	\$ 7,500.00

Article 4. On motion of Philip H. Tirrell, it was voted to raise and appropriate for Cemeteries, \$11,137.00, divided as follows:

Maintenance of Laurel Hill Cemetery	\$ 9,637.00
Development of Forest Glen Cemetery	1,500.00
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	\$ 11,137.00

Article 4. On motion of Charles F. Trevor, it was voted to raise and appropriate \$500.00 for Memorial Day Observance to be expended under the direction of Reading Post No. 62, American Legion.

Article 5. To see if the Town will authorize the Treasurer, with the approval of the Selectmen, to borrow money from time to time in anticipation of revenue of the financial year beginning January 1, 1929, and to issue a note or notes therefor, payable within one year, any debt or debts incurred under this vote to be paid from the revenue of said financial year.
Town Treasurer.

Article 5 On motion of Preston F. Nichols, it was voted that the Treasurer be authorized, with the approval of the Selectmen, to borrow money from time to time in anticipation of revenue of the financial year beginning, Jan. 1, 1929, and to issue a note or notes therefor, payable within one year, any debt or debts incurred under this vote to be paid from the revenue of said financial year.

Article 6. To see if the Town will authorize the Treasurer, with the approval of the Selectmen, to renew or refund any notes issued in anticipation of revenue for a period of less than one year, in accordance with the provisions of Sect. 17, Chap. 44, General Laws, or what it will do in relation thereto.
Town Treasurer.

Article 6. On motion of Preston F. Nichols, it was voted that the Treasurer be authorized with the approval of the Selectmen, to renew or refund any notes issued in anticipation of revenue for a period of less than one year, in accordance with the provisions of Sect. 17, Chap. 44, General Laws.

Article 7. To see if the Town will raise and appropriate the sum of five thousand dollars (\$5,000.00) for the Reserve Fund as provided by Sect. 6, Chap. 40, General Laws, or what it will do in relation thereto.
Town Accountant.

Article 7. On motion of Leon G. Bent, it was voted that the sum of \$5,000.00 be raised and appropriated for the Reserve Fund as provided by Sect. 6, Chap. 40 of the General Laws. \$ 5,000.00

Article 8. To see if the Town will raise and appropriate the sum of one hundred and seventy-two dollars and ten cents (\$172.10) to balance overdrafts in the following accounts: Police Department, Special Officers, \$115.24; Soldiers' Relief \$56.86, or what it will do in relation thereto.
Boards of Selectmen and Public Welfare.

Article 8. On motion of Charles F. Trevor, it was voted that \$172.10 be raised and appropriated to balance overdrafts in the following accounts:

Police Department, Special Officers	\$ 115.24
Soldiers' Relief	56.86

\$ 172.10

Article 9. To see if the Town will raise and appropriate the sum of fifteen hundred and thirty-nine dollars and seven cents (\$1,539.07) for the payment of 1928 bills of the following departments: Election Expenses \$249.24, Fire Alarm \$59.83, Police Department \$40.00, Board of Public Welfare, Aid, Board and Care, furnished by State and other towns, \$1.190.00. Boards of Selectmen and Public Welfare.

Article 9. On motion of Charles F. Trevor, it was voted that the sum of \$1,539.07 be raised and appropriated for the payment of 1928 bills of the following departments:

Election Expenses	\$ 294.24
Fire Alarm	59.83
Police Dept.	40.00
Board of Public Welfare, Aid, Board and Care furnished by State and other Towns	1,190.00
	<hr/>
	\$ 1,539.07

Article 10. To see if the Town will raise and appropriate the sum of three hundred and sixty dollars (\$360.00) for the purpose of providing suitable quarters for Veteran Post No. 194, G. A. R., in accordance with the provisions of Sect. 5, Chap. 40, General Laws, or what it will do in relation thereto. Board of Selectmen.

Article 10. On motion of Charles F. Trevor, it was voted that \$360.00 be raised and appropriated for the purpose of providing suitable quarters for Veteran Post No. 194, G. A. R., in accordance with provisions of Sect. 5, Chap. 40, General Laws. \$360.00

Article 11. To see if the Town will raise and appropriate the sum of six hundred dollars (\$600.00) for the care of graves of any persons who have served in the Army, Navy or Marine Corps of the United States, in time of war or insurrection, and who have been honorably discharged, from such service, as provided by Sect. 22, Chap. 115, General Laws, or what it will do in relation thereto. Board of Selectmen.

Article 11. On motion of Charles F. Trevor, it was voted that \$600.00 be raised and appropriated for the care of graves of any persons who have served in the Army, Navy or Marine Corps of the United States, in time of war or insurrection, and who have been honorably discharged from such service as provided by Sect. 22, Chap. 115, General Laws. \$600.00

Article 12. To see if the Town will raise and appropriate the sum of two thousand dollars (\$2,000.00) for repairs and improvements of the Richardson House, so called, property of the Town on Lowell Street, or what it will do in relation thereto. Board of Selectmen.

Article 12. On motion of Charles F. Trevor to raise and appropriate \$2,000.00 for repairs and improvements of the Richardson House, so-called, property of the Town on Lowell Street, it was voted not to raise said amount.

Article 13. To see how much money the Town will raise and appropriate for the purchase of an auto for the use of the Chief of the Fire Department, or what it will do in relation thereto.

Board of Selectmen.

Article 13. On motion of W. Homer Morrison, it was voted that the sum of \$1,200.00 be raised and appropriated for the purchase of an auto, for the use of the Chief of the Fire Dept. \$1,200.00

Article 14. To see if the Town will raise and appropriate the sum of one thousand dollars (\$1,000.00) to be added to the previous appropriation of \$4,069.82, such sum to be expended by the World War Memorial Committee, for the erection of a permanent World War Memorial, in accordance with vote of Town passed March 12th, 1928, under Article 22 in the Annual Town Warrant, or what it will do in relation thereto.

World War Memorial Committee.

Article 14. On motion of Elias B. Currell, it was voted to lay this article on the table.

Article 15. To see if the Town will vote to employ an engineer to make a study of and plans for the improvement of Reading Common, to furnish a proper setting for the World War Memorial, and to see if the Town will raise and appropriate the sum of five hundred dollars (\$500.00) for this purpose, or what it will do in relation thereto.

World War Memorial Committee.

Article 15. On motion of Elias B. Currell, it was voted that the sum of \$500.00 be raised and appropriated to employ an engineer to make a study of and plans for the improvement of Reading Common, to be expended under the direction of the Planning Board. \$500.00

Article 16. To see if the Town will vote to create a committee of five registered voters with instructions to consider the best plan for beautifying Reading Common, to include War Memorial, and appropriate the sum of five hundred dollars (\$500.00) for plans and specifications, and to make return with recommendations at a special town meeting to be called by the Selectmen for this purpose within sixty days from date, or what it will do in relation thereto. George W. Davis and others.

Article 16. On motion of George W. Davis, it was voted to indefinitely postpone this article.

Article 17. To see if the Town will raise and appropriate, by borrowing or otherwise, the sum of twenty-thousand dollars (\$20,000.00) for the development of storm water drainage, or what it will do in relation thereto.

Board of Public Works.

Article 17. On motion of Samuel H. Davis, it was voted to raise and appropriate the sum of \$20,000.00 for the development of storm water drainage.

Article 18. To see if the Town will raise and appropriate, by borrowing or otherwise, thirty-six thousand dollars (\$36,000.00) for the

extension of the Water System by erection of another standpipe or what it will do in relation thereto.

Article 18. On motion of Samuel H. Davis for the purpose of improving the water system by the erection of a standpipe that the sum of \$36,000.00 be raised and appropriated and that the Town Treasurer with the approval of the Selectmen be and he hereby is authorized to borrow said sum and to issue therefor bonds or notes of the Town in accordance with the provisions of Chap. 44 of the General Laws and Acts in amendment thereof and additions thereto so that said loan shall be paid in not more than 15 years or at such earlier time as the Treasurer and Selectmen may determine.

197 voted in favor,

179 voted against.

It required a two-thirds vote to carry said motion, therefore, it was declared not voted.

Article 19. To see if the Town will vote to accept the report of the Board of Public Works upon the laying out as a public highway of a private way heretofore known as Pine Vale Road, such highway being laid out in accordance with plans duly approved by the Board of Survey and filed in the office of the Town Clerk in accordance with the statutory requirements and to see if the Town will accept the public highway laid out by the Board of Public Works, and heretofore known as Pine Vale Road, or what it will do in relation thereto.

Article 19. Laying out of Pine Vale Avenue.

The Board of Public Works of the Town of Reading having determined and adjudged that common convenience and necessity require that a town way be laid out as and in the location hereinafter described, having complied with all requirements of law relating to notice to the owners of land thereof and of a hearing thereon, and having met at the time and place appointed for such hearing and then and there heard all persons present who desired to be heard, have laid out as a town way for the use of the town running Westerly from Main St. substantially in the location of the private way known as Pine Vale Road. The boundaries and measurements of said town way as so laid out are as follows:

Beginning at a point on the westerly side of Main Street said point being 155.94 feet from the Mass. Highway bound at Station 45, thence N: 14 degrees 16, east 83 feet by said westerly line of Main Street.

Thence the line runs in a southwesterly direction by a curve radius 15 feet a distance of 20.94 feet; thence N. 85 degrees, 44' and 20" W.,—360.93 feet; thence S. 4 degrees, 21' and 40," forty feet; thence S. 85 degrees, 44' and 20" E.,—336.74 feet; thence southeasterly by a curve radius 25 feet a distance of 43.64 feet to the point of beginning. For further identification of this description and location, reference is hereby

made to a plan and profile of Pinevale Avenue, Reading, Mass., surveyed by John F. Rand, Civil Engineer, dated, September 22, 1927, and by reference made a part of this report.

We determine that no damages will be sustained by any person or persons in their property by reason of the taking to be made for this improvement.

No betterments are to be assessed for this improvement.

This laying out so made by us, we hereby report to the Town for acceptance and recommend that said way shall thereafter be known as a public Town way and named Pinevale Avenue.

SAMUEL H. DAVIS,
MILES C. HIGGINS,
WILLIAM T. FAIRCLOUGH,
MARTIN B. HARTSHORN,
HAROLD W. PUTNAM,

Board of Public Works.

It was voted to accept and adopt the recommendations of the Board of Public Works and that hereafter the above way shall be known as Pinevale Ave.

Article 20. To see if the Town will vote to accept the report of the Board of Public Works upon the laying out as a public highway of a private way heretofore known as Star Road, such highway being laid out in accordance with plans duly approved by the Board of Survey and filed in the office of the Town Clerk in accordance with the statutory requirements; and to see if the Town will accept the public highway laid out by the Board of Public Works, and heretofore known as Star Road, or what it will do in relation thereto.

Article 20. On motion of Samuel H. Davis, it was voted to indefinitely postpone this article.

Article 41. To see if the Town will vote to increase the Board of Selectmen to five members, they to be elected—two for three years, two for two years, one for one year, and for three year terms thereafter following the next annual town meeting after the acceptance of this change by the Town, as their terms expire.

Leon F. Quimby and others.

Article 41. On motion of Leon F. Quimby, it was voted to take up this article.

On motion of Leon F. Quimby, it was voted to lay this article on the table.

Article 21. To see if the Town will vote to accept the report of the Board of Public Works upon the laying out as a public highway of a private way heretofore known as Ridge Road,—such highway being laid out in accordance with plans duly approved by the Board of Survey and filed in the office of the Town Clerk in accordance with the statutory requirements and to see if the Town will accept the public

highway laid out by the Board of Public Works, and heretofore known as Ridge Road, or what it will do in relation thereto.

Article 21. Laying out of Ridge Road.

Report of the Board of Public Works.

The Board of Public Works of the Town of Reading having determined and adjudged that common convenience and necessity require that a town way be laid out as and in the location hereinafter described, having complied with all requirements of law relating to notice to the owners of land thereof and of a hearing thereon, and having met at the time and place appointed for such hearing and then and there heard all persons present who desired to be heard, have laid out as a town way for the use of the Town running westerly from Main Street substantially as and in the location of the present way known as Ridge Road, the boundaries and measurements of said way as so laid out are as follows:

Ridge Road, being a certain street or way in the Town of Reading running westerly from Main Street in Chapman Park, so-called, and being substantially the same street of that name as shown on a plan of said Chapman Park made by James A. Bancroft, Civil Engineer, dated, November 1, 1911.

The southerly line of said Ridge Road, commences at a point on the westerly side line of said Main Street, said point being S. 4 deg., 31' and 50" E., a distance of 341.70 feet from a Massachusetts Highway bound marking an angle in said westerly line.

From thence the said southerly line runs on a bearing of S. 85 deg., 28' and 10" W., a distance of 183.50 feet to a point of curve:

Thence on a curve to the left with a radius of 162.80 feet a length of 242.47 feet to a point of tangent:

Thence S. 0 deg., 08' and 10" W., a distance of 159.10 feet to the southerly side line of a private way known as Cold Spring Road and at the end of this layout.

The intersection of the said southerly line of Ridge Road with the said westerly line of Main Street is hereby rounded with a curve of 20 feet radius and length of 31.42 feet.

The northerly line of said Ridge Road is parallel with and forty feet distant from the first-described bearing of the southerly line and runs a distance of 255 feet to the easterly line of a private way known as Waverly Road. And the intersection of said northerly line with the said westerly line of Main Street, and the intersection with the said easterly line of Waverly Road are hereby each rounded with a curve of 20 feet radius and length of 31.42 feet.

The said northerly line is further described as extending on the last described bearing a distance of forty feet across the southerly end of said Waverly Road to the westerly side thereof, thence N. 4 deg., 31'

and 50" W., a distance of fifty feet to a point of curve on the said westerly side line of Waverly Road.

From thence the said northerly line runs on a curve to the right with a radius of 192.80 feet a distance of 133.65 feet to a point of reverse curve.

Thence on a curve to the left with a radius of 202.80 feet a length of 124.07 feet; this last curve as described being forty feet in distance and parallel with the last part of the first-described curve of the southerly line to a point of tangent:

Thence S. 0 deg., 08' and 10" W., parallel with and forty feet in distance from the last described course of the southerly line a distance of 99.10 feet to a point of curve:

Thence with a curve to the right with a radius of 20 feet and length of 31.42 feet to a point of tangent on the northerly side line of said Cold Spring Road and at the end of this layout.

For further identification of this description and location, reference is hereby made to a plan and profile of Ridge Road, Reading, Mass., surveyed by Davis and Abbott, Civil Engineers, dated, Feb. 8, 1929 and by reference made a part of this report.

We determine that no damages will be sustained by any person or persons in their property by reason of the taking to be made for this improvement.

No betterments are to be assessed for this improvement. This laying out so made by us we hereby report to the Town for acceptance and recommend that said way shall thereafter be known as a public town way and named "Ridge Road."

SAMUEL H. DAVIS,
MILES C. HIGGINS,
WILLIAM T. FAIRCLOUGH,
MARTIN B. HARTSHORN,
HAROLD W. PUTNAM,

Board of Public Works.

It was voted to accept and adopt the recommendations of the Board of Public Works and that hereafter the said way be called "Ridge Road."

Article 40. To see if the Town will vote to petition the legislature to abolish the Board of Public Works, which was created by Legislative Acts of 1921, Chapter 118, or what it will do in relation thereto.

Leon F. Quimby and others.

Article 40. On motion of Leon F. Quimby, it was moved to abolish the Board of Public Works and to authorize the transfer of its powers to the Board of Selectmen.

It was not voted.

Article 22. To see if the Town will vote to accept the report of the Board of Public Works upon the laying out as a public highway of

a private way heretofore known as Wenda Street, such highway being laid out in accordance with plans duly approved by the Board of Survey and filed in the office of the Town Clerk in accordance with the statutory requirements; and to see if the Town will accept the public highway laid out by the Board of Public Works, and heretofore known as Wenda Street, or what it will do in relation thereto.

Article 22. On motion of Samuel H. Davis, it was voted to take up this article.

Laying out of Wenda St.

The Board of Public Works of the Town of Reading having determined and adjudged that common convenience and necessity require that a town way be laid out as and in the location hereinafter described, having compiled with all requirements of law relating to notice to the owners of land thereof and of a hearing thereon, and having met at the time and place appointed for such hearing and then and there heard all persons present who desired to be heard, have laid out as a town way for the use of the town running southerly from Woburn Street substantially in the location of the private way known as "Wenda Street." The boundaries and measurements of said way as so laid out are as follows:

Wenda Street, being a certain street in the Town of Reading, running southerly from Woburn Street, through the property of Wendell P. Davis.

The westerly line of said Wenda Street commences at a point on the southerly side line of said Woburn Street, said point being S. 72 deg., 07' W., a distance of 226.65 feet from a stone bound marking an angle in the said southerly line, and by land of Oliver L. Akerley:

From thence the said westerly line runs with a curve to the right on a radius of 10.02 feet a length of 15.72 feet to a point of tangent. Thence S. 18 deg. E., a distance of 215.08 feet to a point of curve.

Thence with a curve to the right on a radius of 45.63 feet a length of 34.77 feet to a point of reverse curve:

Thence with a curve to the left on a radius of 37.50 feet a length of 156.50 feet to a point of reverse curve.

Thence with a curve to the right on a radiuc of 45.63 feet a length of 34.77 feet to a point of tangent. Said last point is 40 feet easterly and at right angles with the end of the second course as above described.

Thence N. 18 deg. W., parallel with and forty feet distant from the above described second course 215 feet to a point of curve. Thence with a curve to the right on a radius of 9.98 feet a length of 15.70 feet, to the southerly side line of said Woburn Street and 60 feet easterly from the point of commencement.

For further identification of this description and location, reference is hereby made to a plan and profile of Wenda Street, Reading, Mass., surveyed by Davis and Abbott, Civil Engineers, dated, Septem-

ber, 1926, and by reference made a part of this report.

We determine that no damages will be sustained by any person or persons in their property by reason of the taking to be made for this improvement.

No betterments are to be assessed for this improvement.

This laying out so made by us we hereby report to the Town for acceptance and recommend that said way shall thereafter be known as a public town way and named, "Wenda Street."

SAMUEL H. DAVIS,
MILES C. HIGGINS,
WILLIAM T. FAIRCLOUGH,
MARTIN B. HARTSHORN,
HAROLD W. PUTNAM,
Board of Public Works.

On motion of Samuel H. Davis, it was voted that the report and recommendations of the Board of Public Works be adopted and that hereafter the street be known as "Wenda Street."

Article 31. To see if the Town will vote to appropriate from the Cemetery Reserve Fund, received from the sale of lots and graves in Laurel Hill Cemetery, the sum of fifteen hundred dollars, (\$1,500.00) for permanent development of Laurel Hill Cemetery.

Board of Cemetery Trustees.

Article 31. On motion of Philip H. Tirrell, it was voted that the Town appropriate from the cemetery reserve fund received from the sale of lots and graves in Laurel Hill Cemetery the sum of fifteen hundred dollars (\$1,500.00) for permanent development of Laurel Hill Cemetery.

Article 32. To see if the Town will raise and appropriate the sum of one thousand and forty dollars, (\$1,040.00) to increase the salaries of the members of the Police Department, or what it will do in relation thereto.

Jeremiah Cullinane and others.

Article 32. On motion of W. Homer Morrison, it was voted that the sum of \$1,040.00 be raised and appropriated in addition to the amount raised and appropriated under Article 4 for Police Dept. salaries.

\$1,040.00

Article 33. To see if the Town will vote to accept the provisions of Sections, 42, 43 and 44 of Chapter 48 of the General Laws or what they will do in relation thereto. An act bringing the Fire Department under the control of the chief of the Fire Department and causing him to act as Forest Warden.

O. O. Ordway and others.

Article 33. On motion of Orville O. Ordway, it was voted that the

Town accept the provisions of Sections 42, 43 and 44 of Chapter 48 of the General Laws.

Article 34. To see if the Town will vote to offer and pay a reward of fifty dollars (\$50.00) for information leading to the arrest and conviction of any person or persons soundind or causing to be sounded, a false alarm of fire. And will authorize and do hereby authorize, the Treasurer with the approval of the Selectmen to pay such reward from the excess and deficiency fund.

O. O. Ordway and others.

Article 34. On motion of Arthur G. Bancroft, it was voted that the subject matter of this article be referred to the Board of Selectmen.

Article 35. To see if the Town will raise and appropriate the sum of eight thousand seven hundred and fifty dollars, (\$8,750.00) for the purchase of a triple combination pumping engine or what it will do in relation thereto.

O. O. Ordway and others.

Article 35. On motion of Orville O. Ordway, it was voted that the Town raise and appropriate the sum of eight thousand seven hundred and fifty dollars, (\$8,750.00) for the purchase of a triple combination pumping engine.

Article 36. To see what action the Town will take regarding the installation of additional street lights in the public streets during 1929.

Municipal Light Board.

Article 36. On motion of Arthur G. Sias, it was voted that the subject matter of Article 36 be referred to the Municipal Light Board with authority to install such addiional street lights as in its judgment are necessary and to make such changes in existing lights as may be advisable, the cost of the same to be paid from the depreciation fund.

Article 38. To see if the Town will raise and appropriate the sum of three hundred dollars (\$300.00) for Child Welfare Work, to be expended under the direction of the Reading Visiting Nurse Association and the Board of Health, or what it will do in relation thereto.

Inez H. Damon and others.

Article 38. On motion of Josephine L. Fowler, it was voted to raise and appropriate \$300.00 for Child Welfare Work, to be expended under the direction of the Reading Visiting Nurse Association and the Board of Health. \$300.00

Article 37. To see if the Town will raise and appropriate the sum of five hundred dollars (\$500.00) for the maintenance of "Victory House," headquarters of Reading Post No. 62, American Legion, or what it will do in relation thereto.

Stanley R. Gerard and others.

Article 37. On motion of Frank D. Tanner, it was voted to take up this article.

On motion of Robert B. Mount, it was voted to lay this article on the table.

Article 39. To see if the Town will vote to raise and appropriate the sum of one hundred dollars (\$100.00) and authorize the Selectmen to appoint a director, the money to be expended by and the director to serve in co-operation with the Middlesex County Trustees for County Aid to Agriculture, in the work of the Middlesex County Extension Service, under the provisions of Sect. 40 to 45, Chap. 128, General Laws.

Rolland L. Perry and others.

Article 39. On motion of Leon G. Bent, it was voted that \$100.00 be raised and appropriated and the Selectmen authorized to appoint a director, the money to be expended by and the director to serve in co-operation with Middlesex County Trustees for County Aid to Agriculture, in the work of the Middlesex County Extension Service, under the provisions of Section 40-45, Chap. 128, General Laws. \$100.00

Article 41. Article missing.

Article 42. To see if the Town will raise and appropriate, by borrowing or otherwise, the sum of money necessary for the purpose of filling, grading, and surfacing of Forest Street, such highway to be completed in accordance with plans which are on file in the office of the Town Clerk, or what it will do in relation thereto.

Chester A. Gibson and others.

Article 42. It was moved by Chester A. Gibson that the Town raise and appropriate by borrowing or otherwise, the sum of \$10,000.00 for the purpose of filling, grading and surfacing of Forest Street, such highway to be completed in accordance with plans which are on file in the office of the Town Clerk.

On motion of W. Franklin Burnham, it was voted to refer to the Board of Public Works.

Article 43. To see if the Town will vote to re-zone the area bounded as follows: On the north by Percy Avenue extended to Summer Avenue on the west by Summer Avenue; on the east by Main Street; and on the south by the intersection of Main Street and Summer Avenue. It is desired that the Multiple Residence district included within the area described above be re-zoned to a single residence district.

Dewey Nelson and others.

Article 43. On motion of Arthur C. Knapp, it was voted to re-zone the area bounded as follows On the north by Percy Avenue, extended to Summer Avenue, on the west by Summer Avenue; and on the east by Main Street and on the south by the intersection of Main Street and Summer Avenue. The above-bounded district to be re-zoned from a business and multiple district to a single residence district.

Article 44. To see if the Town will vote to construct a drain from the stone culvert in John Street, near Salem Street, to Salem

Street and westerly to the junction of Salem and Lowell Streets, and to see how much money the Town will raise and appropriate therefor or what it will do in relation thereto.

James W. Sias and others.

Article 44. On motion of Robert B. Mount, the subject matter of this article was referred to the Board of Public Works.

Article 3. On motion of Charles F. Trevor, it was voted to take this article from the table.

On motion of Charles F. Trevor, it was voted that the care of the public dump on John Street be transferred to the Board of Public Works and that \$500.00 of the amount appropriated for the Board of Health Expenses be transferred to the Board of Public Works for this purpose.

Article 23. To see if the Town will vote to accept the report of the Board of Public Works upon the laying out as a public highway of a private way heretofore known as Bancroft Avenue Extension, such highway being laid out in accordance with plans duly approved by the Board of Survey and filed in the office of the Town Clerk in accordance with the statutory requirements; and to see if the Town will accept the public highway laid out by the Board of Public Works, and heretofore known as Bancroft Avenue Extension, or what it will do in relation thereto.

Article 23. Laying out of Bancroft Avenue Extension.

The Board of Public Works of the Town of Reading having determined and adjudged that common convenience and necessity require that a town way be laid out as and in the location hereinafter described, having complied with all the requirements of law relating to notice to the owners of land thereof and of a hearing thereon, and having met at the time and place appointed for such hearing, and then and there heard all persons present who desired to be heard, have laid out as a town way for the use of the Town running northerly from Bancroft Avenue substantially in the location of the private way known as Bancroft Avenue Extension. The boundaries and measurement of said town way as so laid out are as follows:

Bancroft Avenue Extension, being an extension of the present town way known as Bancroft Avenue and running northerly from the present terminus of said Avenue, viz: the southerly side line of a private way known as Tower Road.

The westerly line of said Extension starts at a stone bound set on the southwesterly corner of said Bancroft Avenue and Tower Road and runs on a continuation of the present westerly side line which is N. 17 deg., 00' and 50" W., a distance of 40 feet across said Tower Road to a stone bound set on the northwesterly corner of the two streets as aforesaid, and thence 500 feet to another stone bound set at the southwesterly corner of said Extension and a private way known as Hartshorn Street Extension, and at the end of this layout.

The easterly line is parallel with and forty feet distant from the above-described westerly line.

For further identification of this description and location, reference is hereby made to a plan and profile of Bancroft Avenue Extension, Reading, Mass., surveyed by Davis & Abbott, Civil Engineers, dated, August 1928, and by reference made a part of this report.

We determine that no damages will be sustained by any person or persons in their property by reason of the taking to be made for this improvement.

No betterments are to be assessed for this improvement. This laying out so made by us we hereby report to the Town for acceptance and recommend that said way thereafter be known as a public town way and named, "Bancroft Avenue Extension."

SAMUEL H. DAVIS,
MILES C. HIGGINS,
WILLIAM T. FAIRCLOUGH,
MARTIN B. HARTSHORN,
HAROLD W. PUTNAM,

Board of Public Works.

On motion of Samuel H. Davis, it was voted to accept and adopt the report of the Board of Public Works and accept their recommendation.

Article 24. To see if the Town will vote to accept the report of the Board of Public Works upon the laying out of a public highway of a private way heretofore known as Pennsylvania Avenue, such highway being laid out in accordance with plans duly approved by the Board of Survey and filed in the office of the Town Clerk in accordance with the statutory requirements; and to see if the Town will accept the public highway laid out by the Board of Public Works, and heretofore known as Pennsylvania Avenue, or what it will do in relation thereto.

Article 24. Laying out of Pennsylvania Avenue.

Report to the Town

The Board of Public Works of the Town of Reading having determined and adjudged that common convenience and necessity require that a town way be laid out as and in the location hereinafter described, having complied with all requirements of law relating to notice to the owners of land thereof and of a hearing thereon, and having met at the time and place appointed for such hearing, and then and there heard all persons present who desired to be heard, have laid out as a town way for the use of the Town running southwesterly from Summer Avenue substantially on the location of the private way known as Pennsylvania Avenue.

The boundaries and measurements of said town way as so laid out are as follows:

Pennsylvania Avenue being called a certain street in the Town of Read-

ing running southwesterly and southerly from Summer Avenue through land of the Reading Realty Trust.

The southerly and easterly line of said Pennsylvania Avenue commences at a point on the westerly side line of said Summer Avenue at a stone bound, said bound being S. 32 deg., and 35' E., a distance of 296.43 feet from a county bound marking a point of curve in said Summer Avenue near the junction of lands of Charlotte H. Allen and William C. Stewart.

From thence the said southerly line runs with a curve to the left with a radius of 20 feet a length of 37.28 feet to a point of tangent:

Thence S. 40 deg., and 37' W., a distance of 210.10 feet to a point of curve:

Thence with a curve to the left on a radius of 154.81 feet a length of 83.83 feet to a point of tangent:

Thence S. 9 deg., 35' and 30" W., a distance of 415.31 feet to a point in a stone wall by land of Walter S. Hopkins and at the end of this layout.

The northerly and westerly line of said Pennsylvania Avenue is parallel with and forty feet distant from the above described southerly and easterly line.

For further identification of this description and location, reference is hereby made to a plan and profile of Pennsylvania Avenue, Reading, Mass., surveyed by Davis and Abbott, Civil Engineers, dated, Dec. 28, 1928, and by reference made a part of this report.

We determine that no damages will be sustained by any person or persons in their property by reason of the taking to be made for this improvement.

No betterments are to be assessed for this improvement. This laying out so made by us we hereby report to the Town for acceptance and recommend that said way shall thereafter be known as a public town way and named, "Pennsylvania Avenue."

SAMUEL H. DAVIS,
MILES C. HIGGINS,
WILLIAM T. FAIRCLOUGH,
MARTIN B. HARTSHORN,
HAROLD W. PUTNAM,
Board of Public Works.

On motion of Samuel H. Davis, it was voted to accept and adopt the report of the Board of Public Works and adopt their recommendation.

Article 25. To see if the Town will vote to accept the report of the Board of Public Works upon the laying out as a public highway of a private way heretofore known as California Road, such highway

being laid out in accordance with plans duly approved by the Board of Survey and filed in the office of the Town Clerk in accordance with the statutory requirements; and to see if the Town will accept the public highway laid out by the Board of Public Works, and heretofore known as California Road, or what it will do in relation thereto.

Article 25. Laying out of California Road and

Report to the Town

The Board of Public Works of the Town of Reading having determined and adjudged that common convenience and necessity require that a town way be laid out as and in the location hereinafter described, having complied with all requirements of law relating to notice to the owners of land thereof and of a hearing thereon, and having met at the time and place specified for such hearing and then and there heard all persons present who desired to be heard, have laid out as a town way for the use of the Town running westerly from Pennsylvania Avenue, substantially in the location of the private way known as California Road. The boundaries and measurements of said way as so laid out are as follows:

California Road, being a certain street in the Town of Reading running easterly from a private way known as Indiana Avenue to its intersection with the westerly side line of a private way known as Pennsylvania Avenue.

The northerly line of said California Road commences at a stone bound at a point of curve on the easterly side line of said Indiana Avenue and at a point in lot 23 as shown on a Plan of Lots in Reading developed by the Reading Realty Trust dated, June, 1928, and to be recorded in the Land Court:

From thence the said northerly line runs with a curve to the left on a radius of 20 feet, a length of 29.32 feet, to a point of tangent:

Thence S. 83 deg., 49' and 20" E., a distance of 456.20 feet to a point of curve:

Thence with a curve to the left on a radius of 105 feet a length of 101.82 feet to a point of tangent on the northerly side line of said Pennsylvania Avenue and at the end of this layout.

The southerly line of said California Road commences at a stone bound at a point of curve on the said easterly line of Indiana Avenue (in lot 40 of above-described plan) and runs with a curve to the right on a radius of 20 feet a length of 33.51 feet to a point of tangent:

Thence S. 83 deg., 49' and 20" E., parallel with and forty feet distant from the curve described northerly line, a distance of 465.37 feet to a point of curve.

Thence with a curve to the right on a radius of 25 feet a length of 40.76 feet to a point of tangent on the westerly side line of said Pennsylvania Avenue and at the end of this layout.

For further identification of this description and location, refer-

ence is hereby made to a plan and profile of California Road, Reading, Mass., surveyed by Davis and Abbott, Civil Engineers, dated, Dec. 28, 1928, and by reference made a part of this report.

We determine that no damages will be sustained by any person or persons in their property by reason of the taking to be made for this improvement.

No betterments are to be assessed for this improvement.

This laying out so made by us we hereby report to the Town for acceptance and recommend that said way shall thereafter be known as a public town way and named "California Road."

SAMUEL H. DAVIS,
MILES C. HIGGINS,
WILLIAM T. FAIRCLOUGH,
MARTIN B. HARTSHORN,
HAROLD W. PUTNAM,
Board of Public Works.

On motion of Samuel H. Davis, it was voted to accept and adopt the report of the Board of Public Works and adopt their recommendations.

Article 26. To see if the Town will vote to accept the report of the Board of Public Works upon the laying out as a public highway of a private way heretofore known as Virginia Road, such highway being laid out in accordance with plans duly approved by the Board of Survey and filed in the Office of the Town Clerk in accordance with the statutory requirements; and to see if the Town will accept the public highway laid out by the Board of Public Works, and heretofore known as Virginia Road, or what it will do in relation thereto.

Article 26. On motion of Samuel H. Davis, it was voted to indefinitely postpone this article.

Article 27. To see if the Town will vote to accept the report of the Board of Public Works upon the laying out as a public highway of a private way heretofore known as Indiana Avenue, such highway being laid out in accordance with plans duly approved by the Board of Survey and filed in the Office of the Town Clerk in accordance with the statutory requirements; and to see if the Town will accept the public highway laid out by the Board of Public Works, and heretofore known as Indiana Avenue, or what it will do in relation thereto.

Article 27. On motion of Samuel H. Davis, it was voted to indefinitely postpone this article.

Article 28. To see if the Town will vote to accept the report of the Board of Public Works upon the laying out as a public highway of a private way heretofore known as Lee Street, such highway being laid out in accordance with plans duly approved by the Board of

Survey and filed in the office of the Town Clerk in accordance with the statutory requirements and to see if the Town will accept the public highway laid out by the Board of Public Works, and heretofore known as Lee Street, or what it will do in relation thereto.

Article 28. Laying out of Lee Street and

Report to the Town

The Board of Public Works of the Town of Reading having determined and adjudged that common convenience and necessity require that a town way be laid out as and in the location hereinafter described, having compiled with all requirements of law relating to notice to owners of land thereof, and of a hearing thereon, and having met at the time and place appointed for such hearing and then and there heard all persons present who desired to be heard, have laid out as a town way for the use of the Town running northerly from Vine Street substantially in the location of the private way known as Lee Street. The boundaries and measurements of said town way so laid out are as follows:

Lee Street being a certain street in the Town of Reading running northerly from the present town way known as Vine Street and being the same street un-named as shown on a "Plan of Land in Reading surveyed for George W. Hunt" dated, March 30, 1893, made by James A. Bancroft, Surveyor.

The easterly line of said Lee Street commences at a stone bound set on the northerly side line of said Vine Street, said bound being S. 77 deg., 26,' W., a distance of 557.10 feet measured along the said northerly line of Vine Street from an iron bolt marking the corner of said Vine Street and a town way known as High Street.

Thence the said easterly line runs on a course of N. 12 deg., 30' W., a distance of 468.75 feet by land of Herbert W. McLeod, et ux. Martin B. Hartshorn, Herbert T. Schoppelry, and again by land of said Hartshorn to a stone bound set in the wall at the end of this layout.

The westerly side line of said Street is parallel with and forty feet distant from the above-described easterly line and commences at a stone bound set on the said northerly side line of Vine Street and runs a distance of 454.64 feet to a drill hole set in a boulder in the wall.

For further identification of this description and location, reference is hereby made to a plan and profile of Lee Street, Reading, Mass., surveyed by Davis and Abbott, Civil Engineers, dated, Nov. 1928, and by reference made a part of this report.

We determine that no damages will be sustained by any person or persons in their property by reason of the taking to be made for this improvement.

No betterments are to be assessed for this improvement. This laying out so made by us we hereby report to the Town for acceptance

and recommend that said way shall thereafter be known as a public town way and named, "Lee Street."

SAMUEL H. DAVIS,
MILES C. HIGGINS,
WILLIAM T. FAIRCLOUGH,
MARTIN B. HARTSHORN,
HAROLD W. PUTNAM,

Board of Public Works.

On motion of Samuel H. Davis, it was voted to accept and adopt the report of the Board of Public Works and adopt their recommendation.

Article 29. To see if the Town will vote to accept the report of the Board of Public Works upon the laying out as a public highway of a private way heretofore known as Howard Street Extension, such highway being laid out in accordance with plans duly approved by the Board of Public Works and filed in the office of the Town Clerk in accordance with the statutory requirements; and to see if the Town will accept the public highway laid out by the Board of Public Works, and heretofore known as Howard Street or what it will do in relation thereto.

Article 29. Laying out of Howard Street Extension and Report to the Town.

The Board of Public Works of the Town of Reading having determined and adjudged that common convenience and necessity require that a town way be laid out as and in the location hereinafter described, having complied with all requirements of law relating to notice to owners of land thereof, and of a hearing thereon, and having met at the time and place appointed for such hearing, and then and there heard all persons present who desired to be heard, have laid out as a town way for the use of the Town running westerly from West Street substantially in the location of the private way known as Howard Street Extension. The boundaries and measurements of said town way so laid out are as follows:

Howard Street Extension being an extension of the present town way known as Howard Street and running westerly from the westerly side of West Street to land of A. M. Morse heirs and being bounded and described as follows:

The northerly line of said Extension commences at a point on the said westerly side line of West Street, said point being N. 23 deg., and 32' E., a distance of 3.59 feet from an angle bound marking an angle in said westerly side line of West Street.

From thence the said northerly line runs with a curve bearing in a southwesterly direction on a radius of 20.00 feet a length of 20.33 feet to a point of tangent:

Thence S. 81 deg., and 46' W., a distance of 787.03 feet to a drill

hole in the wall between lands of William E. and Edith M. Meuse on the east and A. M. Morse heirs on the west and at the end of this layout.

The southerly line of said Extension commences at a point on the westerly side line of said West Street, said point being S. 24 deg., and 18' W., a distance of 97.46 feet from the aforesaid stone bound, and at a point of curve:

From thence the said southerly line runs with a curve to the left on a radius of 20.00 feet a length of 42.77 feet to a point of tangent.

Thence S. 81 deg., and 46' W., parallel and forty-five feet distant from the above-described northerly line, a distance of 731.81 feet to a drill hole in the wall between lands of Margaret Rand on the east and the said A. M. Morse heirs on the west and to the end of this layout.

For further identification of this description and location, reference is hereby made to a plan and profile of Howard Street Extension, Reading, Mass., surveyed by Davis and Abbott, Civil Engineers, dated, February, 1929, and by reference made a part of this report.

We determine that no damages will be sustained by any person or persons in their property by reason of the taking to be made for this improvement.

No betterments are to be assessed for this improvement. This laying out so made by us we hereby report to the Town for acceptance and recommend that said way shall thereafter be known as a public town way, and named, "Howard Street Extension."

SAMUEL H. DAVIS,
MILES C. HIGGINS,
WILLIAM T. FAIRCLOUGH,
MARTIN B. HARTSHORN,
HAROLD W. PUTNAM,

Board of Public Works.

On motion of Samuel H. Davis, it was voted to accept and adopt the report of the Board of Public Works and adopt their recommendations.

Article 30. To see if the Town will vote to accept the report of the Board of Public Works upon the laying out, re-locating or altering of High Street from Mineral Street to Lowell Street.

The extension of High Street, being an extension of a present town way in Reading, Mass., known as High Street.

The westerly line of said extension commences at the northerly terminus of High Street, as defined in Town Records Vol. 5, Page 113, under date of November 5, 1872.

From thence the said westerly line of said extension runs N. 15-00 W., a distance of 867.78 feet, by lands of Arthur H. Cook, Edward F. and Phyllis H. Downs, Lester S. and Anna E. Riley, the end of Woodward Avenue, by lands of Lillian M. Johnson, Mary E. Sias, Otis B. & Hattie M. Ruggles, the end of Vine Street, by lands of Martin

B. Hartshorn, Benjamin M. Hartshorn and Martin B. Hartshorn, Adm.

Thence with a curve to the left with a radius of 1717.34 feet, a length of 284.75 feet to a point of tangent, by land of Martin B. Hartshorn.

Thence N. 24-30 W., a distance of 355.77 feet to a point of curve, by lands of Martin B. Hartshorn and Martin B. Hartshorn, Adm:

Thence with a curve to the left with a radius of 257.71 feet a length of 97.90 feet, by land of Martin B. Hartshorn, to a Stone Bound set on the southerly side of Lowell Street as laid out by the County Commissioners in 1915, and at land of John Hickey.

The easterly line of said extension commences at the northerly terminus of High Street, as defined in Town Records Vol. 5, Page 113, under date of Nov. 5, 1872.

From thence the said easterly line of said extension is parallel with and forty-feet distant from the above-described westerly line running as follows: N. 15-00 W., a distance of 918.99 feet, to a point of curve, by lands of Sarah L. Babine, Alice M. Stacey, John H. Robinson, Isabel B. Robinson and Benjamin M. and Helen B. Hartshorn.

Thence with a curve to the left with a radius of 1757.34 feet, a length of 291.38 feet to a point of tangent, across a private way known as Gould Avenue and by lands of Martin B. Hartshorn, Adm. and Howard J. and Mary R. Murphy:

Thence N. 24-30 W., a distance of 205.14 feet to a point of curve, by land of Howard J. and Mary R. Murphy:

Thence with a curve to the right with a radius of 19.23 feet a length of 53.11 feet to a point on the southerly side of Lowell Street, from the northerly terminus of the aforesaid westerly line.

The above described lines being more fully shown on a plan entitled "High Street," made by Davis and Abbott, Civil Engineers, Reading, Mass., under date of November 1928, said plan being a part of this description.

Such highway being laid out, relocated or altered in accordance with Plan duly approved by the Board of Public Works and filed in the office of the Town Clerk in accordance with the statutory requirements and to see if the Town will raise and appropriate the sum of fifty dollars (\$50.00) for the payment of any damages in connection therewith, or what it will do in relation thereto.

Article 30. Laying out of High Street and Report to the Town.

The Board of Public Works of the Town of Reading having determined and adjudged that common convenience and necessity require that a town way be laid out, relocated or altered, as and in the location hereinafter described, having complied with all requirements of law relating to notice to owners of land thereof and of a hearing thereon, and having met at the time and place appointed for such hear-

ing and then and there heard all persons present, who desired to be heard, have laid out, relocated or altered as a town way for the use of the Town, High Street from north of Mineral Street to Lowell Street. the boundaries and measurements of said town way as so laid out are as follows:

The extension of High Street being an extension of a present town way in Reading, Mass., known as High St.

The westerly line of said extension commences at the northerly terminus of High Street as defined in Town Records, Vol. 5, Page 113, under date of Nov. 5, 1872.

From thence the said westerly line of said extension runs N. 15 degrees W. a distance of 867.78 feet by lands of Arthur H. Cook, Edward E. and Phyllis H. Downs, Lester and Anna E. Riley, the end of Woodward Avenue by lands of Lillian M. Johnson, Mary E. Sias, Otis B. and Hattie M. Ruggles, the end of Vine Street, by lands of Martin B. Hartshorn, Benjamin M. Hartshorn and Martin B. Hartshorn.

Thence with a curve to the left with a radius of 1717.34 feet a length of 284.75 feet to a point of tangent by land of Martin B. Hartshorn:

Thence N. 24 degrees and 30' W., a distance of 355.77 feet to a point of curve by lands of Martin B. Hartshorn and Martin B. Hartshorn, Adm.

Thence with a curve to the left with a radius of 1717.34 feet a length of 284.75 feet to a point of tangent by land of Martin B. Hartshorn:

Thence N. 24 degrees and 30' W., a distance of 355.77 feet to a point of curve by lands of Martin B. Hartshorn and Martin B. Hartshorn, Adm:

Thence with a curve to the left with a radius of 257.71 feet a length of 97.90 feet by land of Martin B. Hartshorn to a stone bound set on the southerly side of Lowell Street, as laid out by the County Commissioners in 1915 and at land of John Hickey.

The easterly line of said extension commences at the northerly terminus of High Street as defined in Town Records, Vol. 5, Page 113, under date of Nov. 5, 1872.

From thence the said easterly line of said extension is parallel with and forty feet distant from the above described westerly line, running as follows: N. 15 degrees W. a distance of 918.99 feet to a point of curve, by lands of Sarah L. Babine, Alice M. Stacy, John H. Robinson, Isabel B. Robinson and Benjamin M. and Helen B. Hartshorn:

Thence with a curve to the left with a radius of 1757.34 feet a length of 291.38 feet to a point of tangent, across a private way known as Gould Avenue and by lands of Martin B. Hartshorn and Howard J. and Mary R. Murphy.

Thence N. 24 degrees and 30' W., a distance of 255.14 feet to a point of curve by land of Howard J. and Mary R. Murphy:

Thence with a curve to the right with a radius of 9.61 feet a length of 26.54 feet to a point on the southerly side of Lowell Street, said point being S. 46 degrees and 16' E., a distance of 207.42 feet from the northerly terminus of the aforesaid westerly line.

We determine that no damages will be sustained by any person or persons in their property by reason of the taking to be made for this improvement.

NO betterments are to be assessed for this improvement. This laying out, relocation or alteration so made by us we hereby report to the Town for acceptance and recommend that said way shall thereafter be known as a public town way and named, "High Street," and that the sum of fifty dollars (\$50.00) be raised and appropriated for the payment of any damages in connection therewith.

SAMUEL H. DAVIS,
MILES C. HIGGINS,
WILLIAM T. FAIRCLOUGH,
MARTIN B. HARTSHORN,
HAROLD W. PUTNAM,
Board of Public Works.

On motion of Samuel H. Davis, it was voted that the report of the Board of Public Works be accepted and adopted and that fifty dollars be appropriated from an unexpended balance of a similar appropriation to pay for any damages in connection with the said relaying or relocation of High Street.

Article 2. On motion of Leon F. Quimby, it was voted to take this article from the table.

On motion of Leland W. Kingman, it was voted to accept the report of the Planning Board and Special Committee on the subject of "Changes in the Zoning Law."

REPORT OF PLANNING BOARD

In respect to Article 27 in the Town Warrant of March, 1928, reading as follows: To see if the Town will vote to amend the Zoning By-Law, whether by the establishment of new zones or by altering the restrictions with respect to existing zones, or both, so as to permit the erection of apartment houses in suitable districts outside of the existing business zones or what it will do in relation thereto, and referred to the Planning Board, the said Board submit herewith the result of its deliberations.

The Planning Board recommends that with the single exception noted herein, no material changes or alterations should be made in the present Zoning Law.

The law itself provides the property owner and other interested parties with a means of relief from the restrictions of zoning. The

procedure may appear at first glance to be somewhat complicated but if a proposed change is sufficiently meritorious, there should be no difficulty in convincing the Town of the advantages and benefits of said change and thus procuring the authority necessary to complete the transaction.

In respect to an article in the town warrant referred to the former Planning Board to change certain section of South Main Street from the business zone to the multiple residence zone it is the recommendation of the present Planning Board that that section of South Main Street on both sides of the street from Percy Avenue to Summer Avenue should be so changed.

WINTHROP D. PARKER,
HARRIET P. LEUTCHMAN,
FREDERICK E. BOYERS,
LELAND W. KINGMAN,

Planning Board.

Also the Planning Board made the following Report together with an added Special Committee.

In compliance with the vote of the Town Meeting of July 2, 1928, the undersigned members respectively of the Planning Board and Special Citizens Committee, have given careful consideration to the matter referred to them namely to determine the advisability of changing Part 2, Sec. 5, Paragraph 2 of the zoning law to read "Two-family house", instead of as at present "Two-family, semi-detached house".

This change in the zoning law would permit the erection of any type of a two-family house in the multiple residence district which district includes about 70% or two-thirds of the entire area of the Town of Reading.

After holding a public hearing and giving full deliberation to this important subject, it was the unanimous opinion of your joint committee that the Town of Reading should not change Part 2, Sec. 5, Paragraph 2 of the Zoning By-Law by striking out the words, "Semi-detached".

At first thought there seems to be a certain amount of merit to the arguments advanced by the proponents of the article asking for said change but any benefit which might be derived in the form of an increased taxable property value is more than offset by the objectionable features resultant from lifting the ban to two-family dwellings.

Briefly summarized the arguments which have been presented both for and against the proposed change are as follows:

A: Reasons for permitting the erection of any type of a two-family dwelling in the multiple residence district.

1: To increase the value of taxable property, it being argued

that it costs more to build a two-family house than it does the average single residence the Town thereby being the gainer in assessable values.

2: Because a two-family house is far more preferable to a cheap and unattractive single residence.

3: Because a two-family, one upper and lower apartment house is easier to rent than a semi-detached or duplex house, the argument being that in the two-family, upper and lower tenements, both families have sunshine, whereas in the semi-detached, one-family, that on the sunny side gets more sunshine under certain conditions.

B: Reasons why only semi-detached two-family dwellings should be allowed in the multiple residence district.

1: To prevent the speculative growth of the undesirable type of two-family upper and lower apartment house and the exploiting of the Town by the cheap speculative builder to his own advantage and to the detriment of the Town.

2: To prevent the cost of the two-family population upon the school, fire and police departments, exceeding the revenue from the gain in taxable values of the two-family house, the argument being that although there would be a gain in assessed value by reason of the two-family house, the cost of providing schools, fire and police protection for its inhabitants would be greater than the revenue received from the said increased assessable value of such house over that of a single residence house or semi-detached house which might occupy the same space.

3: Because a two-family upper and lower apartment house would tend to decrease the value of adjacent single-residence property.

4: Because the erection of two-family upper and lower apartment houses tends toward congestion.

5: The New England Insurance Exchange puts a flat increase of 5c per \$100.00 of insurance per year on the fire insurance rate of any section or sections of a city or town where apartment houses two families or otherwise are either too numerous or too close together.

Furthermore for Reading to continue to enjoy the benefits of a B classification of fire insurance rating we must put no extra burden upon its fire department.

Congestion of wooden buildings is a fire hazard. It means more fire-fighting equipment or C classification and higher insurance rates. One or the other must inevitably result.

6: Because the multiple residence district is too large an area to grant such unrestricted liberties.

The joint Committee gave some thought to the possibility of setting aside a small area in the multiple residence district in which any type of two-family dwelling might be erected. If it is the wish of the citizens of the Town that such changes be made the Planning Board will be glad to give further consideration to this matter.

In conclusion we restate the unanimous opinion and recommendation of this joint committee, namely: that no change be made in Paragraph 2 of Sec. 5, Part 2 of the Zoning Law.

Respectfully submitted,

WINTHROP D. PARKER,
HARRIET P. LEUCHTMAN,
FREDERICK E. BOYERS,
LELAND W. KINGMAN,

Planning Board.

HENRY R. JOHNSON,
WILLARD P. ADDEN,
JAMES B. BROWN,

Special Citizens Committee.

Article 3. On motion of Carl M. Spencer, it was voted to take this article from the table.

On motion of Carl M. Spencer, it was voted that the subject matter of Article 18 be referred back to the Finance Committee with instructions to report at the next Town Meeting.

Article 2. On motion of Charles F. Trevor, it was voted to accept reports of town officers, finance committee as printed.

Voted to adjourn sine die.

MILLARD F. CHARLES, Town Clerk.

SPECIAL TOWN MEETING

Security Hall, Woburn St., June 19, 1929.

Pursuant to the warrant duly issued and posted according to law, a town meeting was held at the time and place therein specified. The meeting was called to order by the Moderator, Charles P. Howard. The Town Clerk partially read the warrant when on motion of Charles F. Trevor it was voted to dispense with further reading of said warrant excepting the Constable's return. The Constable's return was then read and the meeting proceeded to act on the following articles.

Article 1. To hear and act on the reports of town officers and special committees and determine what instructions will be given town officers and special committees.

Article 1 On motion of George W. Davis, it was voted to lay this article on the table.

Article 2. To see if the Town will raise and appropriate the sum of seven hundred and fifty dollars, (\$750.00), for the purchase of a portable garage, to be placed on the land of the Town adjacent to the fire and police headquarters on Pleasant St., or what it will do in relation thereto.

Board of Selectmen.

Article 2. On motion of Charles F. Trevor, it was voted that seven hundred and fifty dollars, (\$750.00), be raised and appropriated for the purchase of a portable garage to be placed on land of the Town adjacent to the fire and police headquarters on Pleasant St. (\$750.00).

Article 3. To see if the Town will raise and appropriate the sum of six hundred and fifty dollars (\$650.00) for the installation of a system of signal lights to regulate motor traffic at the intersection of Summer Ave. and Prescott St. or what it will do in relation thereto.

Board of Selectmen.

Article 3. On motion of Charles F. Trevor, it was voted that five hundred and sixty-five dollars, (\$565.00), be raised and appropriated for the installation of a system of signal lights at the intersection of Summer Ave. and Prescott St. (\$565.00).

Article 4. To see if the Town will raise and appropriate the sum of six hundred dollars, (\$600.00), for the removal of the Richardson House, so-called, property of the Town adjacent to the Municipal Building on Lowell St., and for the necessary filling and grading, or what it will do in relation thereto.

Board of Selectmen.

Article 4. On motion of Charles F. Trevor, it was voted that six hundred dollars, (\$600.00), be raised and appropriated for the removal of the Richardson House and for the necessary filling and grading. (\$600.00).

Article 5. To see if the Town will raise and appropriate the sum of three hundred forty-five dollars and seventy-eight cents, (\$345.78), to reimburse Howard E. Bussell, for expenses incurred by reason of injuries received in the line of duty as a fireman at a fire on March 2, 1929, or what it will do in relation thereto.

Board of Selectmen.

Article 5. On motion of Charles F. Trevor, it was voted that three hundred forty-five dollars and seventy-eight cents, (\$345.78) be raised and appropriated to reimburse Howard E. Bussell for expenses incurred for injuries received in the line of duty as a fireman at a fire on March 2, 1929. (\$345.78).

Article 6. To see if the Town will vote to accept a gift of land on the northwesterly corner of Franklin and Haverhill Sts., offered to the Town by William R. Scharton for the purpose of rounding and widening the corner to eliminate traffic hazard, or what it will in relation thereto.

Board of Selectmen.

Article 6. On motion of Charles F. Trevor, it was voted that the Town accept the gift of land on the northwesterly corner of Franklin and Haverhill Sts., offered to the Town by William R. Scharton, the same to be placed when received, under the jurisdiction of the

Board of Public Works in the same manner as other land used for public streets.

Article 7. To see if the Town will vote to appoint a committee to study into and report upon the question of establishing a hospital, separately or in conjunction with some other Town, pursuant to the provisions of and utilizing the fund given under the will of the late Gilman L. Parker, or what it will do in relation thereto.

E. D. Richmond et al.

Article 7. On motion of Charles F. Trevor, it was voted that the Moderator appoint a committee of five to study into and report to the next annual town meeting upon the question of establishing a hospital, separately or in conjunction with some other Town, pursuant to the provisions of and utilizing the fund given under the will of the late Gilman L. Parker.

Article 8. To see if the Town will vote to appoint a committee to consider the revision of the building laws of the Town and to report not later than the next annual town meeting, or what it will do in relation thereto.

Board of Selectmen.

Article 8. On motion of Charles F. Trevor, it was voted that a committee of five be appointed by the Moderator to consider the revision of the building laws of the Town to report not later than the next annual town meeting.

Article 9. To see if the Town will vote to authorize the Board of Selectmen to sell the town home property, so-called, on Pearl St., or what it will do in relation thereto.

Board of Selectmen.

Article 9. On motion of Charles F. Trevor that the Board of Selectmen be and hereby is authorized to sell the town home property on Pearl St. The motion failed to be carried and was declared by the Moderator not a vote.

Article 10. To see if the Town will vote to appoint a committee to consider the matter of acquiring land for a landing field, to report not later than the next annual town meeting, or what it will do in relation thereto.

Board of Selectmen.

Article 10. On motion of Charles F. Trevor that a committee of five be appointed by the Moderator to consider the matter of acquiring land for a landing field, to report not later than the next annual town meeting. The motion failed to be carried and was declared by the Moderator not a vote.

Article 11. To see if the Town will vote to appoint a committee to consider the matter of the collection and disposal of ashes and rubbish and report not later than the next annual town meeting or what it will do in relation thereto.

Board of Selectmen.

Article 11. On motion of Charles F. Trevor, it was voted that a committee of five be appointed by the Moderator to consider the matter of the collection and disposition of ashes and rubbish, to report not later than the next annual town meeting.

Article 1. On motion of George W. Davis, it was voted to take Article 1 from the table.

Leland W. Kingman made a report on changing and beautifying the Common.

Arthur A. Shurtleff explained the plan which was exhibited to the meeting.

It was voted to accept report of the Planning Board.

Article 12. To see if the Town will raise and appropriate by borrowing or otherwise the sum of thirty thousand dollars, (\$30,000.00) for the purpose of the rearrangement and improvement of Reading Common in accordance with the report and plans presented by the engineer employed under the authority of the vote of the town meeting of March 11, 1929, including such construction, reconstruction, extension and widening of streets, laying and construction of pavements and sidewalks, and other construction and works as may be called for by said plan of rearrangement and improvement, or what it will do in relation thereto.

Planning Board.

Article 12. On motion of Arthur G. Bancroft, it was voted to refer the subject matter to the next annual town meeting by a vote of 89-yes to 80-no.

Article 13. To see if the Town will vote to secure by lease or otherwise, suitable headquarters for Post 62 of the American Legion and to see if the Town will raise and appropriate therefor the sum of one thousand dollars (\$1,000.00) or what it will do in relation thereto.

Article 13. On motion of Stanley R. Gerard, it was voted that the Board of Selectmen be and they are authorized, empowered and directed to negotiate for a lease upon such terms and conditions as they may in their discretion determine, to provide suitable headquarters for Reading Post 62, American Legion, for a term of one year, and to sign and execute said lease in the name and behalf of the Town of Reading, and that the sum of one thousand dollars be and hereby is raised and appropriated therefor as rent for such premises.

Article 14. To see if the Town will raise and appropriate the sum of three hundred ninety dollars, (\$390.00), for the renewal of the storage battery of the fire alarm, or what it will do in relation thereto.

Hugh L. Eames, Supt.

Article 14. On motion of Hugh L. Eames to raise and appropriate (\$390.00) for the renewal of the storage battery of the fire alarm.

The motion failed to be carried and the Moderator declared it not a vote.

Article 15. To see if the Town will raise and appropriate a sum sufficient to reimburse William H. Killam for damage to his premises situated at the corner of Kingston and Mt. Vernon Sts., in consequence of the maintenance thereon of a trunk line sewer pipe, said pipe having been laid or constructed in said premises, while owned by the Town and sold to Killam without notice that the pipe had been so laid, and also to reimburse said Killam for the taking of a part of said premises under date of March 15, 1929, by the Board of Public Works for the purpose of maintaining a sewer pipe on said premises on and after said date, or what it will do in relation thereto.

William H. Killam et al.

Article 15. On motion of Edward G. Quinlan that the Town raise and appropriate fifteen hundred dollars (\$1,500.00) to reimburse William H. Killam for damage to his premises situated at the corner of Kingston and Mt. Vernon Sts., in consequence of the maintenance thereon of a trunk line sewer pipe, said pipe having been laid or constructed in said premises while owned by the Town and sold to Killam without notice that the pipe had been so laid; and also to reimburse said Killam for the taking of a part of said premises under date of March 15, 1929 by the Board of Public Works for the purpose of maintaining a sewer pipe on said premises on and after said date.

The motion failed to be carried and was declared by the Moderator as not a vote.

Article 16. To see if the Town will vote to approve the rules and regulations adopted by the Board of Cemetery Trustees on May 3, 1929, or what it will do in relation thereto.

Board of Cemetery Trustees.

Article 16. On motion of Philip H. Tirrell, it was voted that the Town approve the rules and regulations adopted by the Board of Cemetery Trustees on May 3, 1929.

Regulations of the Board of Cemetery Trustees of the Town of Reading

The following regulations are adopted by the Board of Cemetery Trustees subject to the approval of the Town for the governance of all public cemeteries in the Town of Reading, control of which is entrusted to the said Board of Cemeteries.

Ownership of Lots

1. The right to be granted to the owner of any lot or grave is a sole and exclusive right of burial and of erecting tombs, cenotaphs, and other monuments and structures subject to terms and conditions and regulations as they may exist from time to time.

The premises where such rights are granted shall be used only for the purpose of burial of the dead.

2. Lots shall be conveyed by deed in such form as the Trustees shall from time to time prescribe.

For single graves certificates shall be issued in such form as the Trustees may from time to time prescribe.

A different form of certificate will be issued for interments in such location as shall be set apart as a free public burial place. Such deeds and certificates shall state that the rights thereby conveyed are subject to the regulations which may be established from time to time and may contain further specific terms and conditions.

Lost deeds or certificates will not be replaced by new deeds or certificates but certified copies may be obtained upon the payment of a fee of \$1.00 for each such copy.

3. Lots and graves shall be sold at such prices as the Trustees shall from time to time determine.

Single graves must be paid for in full at the time of sale. Lots may be paid for in full or in four equal quarterly installments, the first one of which shall be paid at time of sale. No purchaser shall be entitled to a deed until the lot is fully paid for, and the Trustees may refuse to permit interments or improvements upon the lot until the amount is fully paid. In any case in which interments or the making of improvements is permitted before payment in full has been made, the Trustees may in the event of default in payment remove to single graves any remains so interred, and cause any monuments or other improvements to be removed, deducting from the amounts paid by the purchaser all expense and the price of the single grave or graves and returning to the purchaser the balance if any.

4. Transfers of lots and rights of burial shall be, when permitted, by deed in common form. In no event shall a proprietor allow the interment of any remains within a lot or grave owned by him for hire.

After any interment has been made, any transfer must be made subject to the approval of the Cemetery Trustees and in no event will such transfer be permitted which might involve the removal of the body of a deceased lot owner or of a member of his immediate family for profit to the current owner of the lot or grave. Before any interment has been made, transfers may be permitted in any case and shall be permitted if within six months after notice to the Trustees of the intended transfer the Trustees shall not have disposed of the lot or grave in such wise as to cause the repayment to the owner of the amount originally paid. In each case of a permitted transfer a fee of one dollar will be required for the recording of the instrument of transfer.

5. In the event of the death of the owner of a lot or grave, title

shall pass or descend as provided by the statutes of Massachusetts in force from time to time.

The Trustees shall require suitable proof of the rights of the person or persons thereupon entitled to the lot or grave, which proof shall be entered upon the records.

Care of Lots

6. Deposits for perpetual care of lots will be received as provided in the statutes of Massachusetts in force from time to time. In the sale of lots and graves the Trustees may require as one of the conditions of the sale the making of such deposits for perpetual care as shall appear to them adequate to insure proper care of the lot or grave without expense to the Town.

The term "perpetual care" as here used shall mean at least the cutting of the grass upon the lot or such other work as may be necessary at reasonable intervals, raking, cleaning, reseeding, to keep the same in good and neat condition. It shall not include, however, the maintaining, repairing or replacing of gravestones or monuments or other structures, although further deposits may be received for such purposes.

Monuments and Other Structures

7. A tomb shall be constructed and maintained within any lot only by special permission of the Trustees, and when so permitted its plans of construction and design shall be according to plans submitted to and approved by the Trustees. No tomb, monument or other structure shall be erected or maintained which in the opinion of the Trustees is by reason of construction, design, inscription or any other feature offensive and improper or injurious to the cemetery and to adjoining lots or likely to become so with passage of time, and the Trustees may condemn and cause the removal of any such tomb, monument or other structure.

8. Only one monument shall be placed upon a lot and its location and the building of foundations therefor shall be under the direction of the Trustees. Only one grave marker, by which is meant a stone intended to indicate the location of a particular grave, as a head stone or foot stone, shall be placed upon any grave and no marker shall be set to embrace two or more graves. All markers shall be set flush with the ground. Wooden markers shall not be permitted except temporarily and by special permission of the Trustees.

No monument or permanent marker shall be erected upon a lot until the lot is fully paid for, nor shall any monument be erected, marker set or work done upon any lot against which bills for care are overdue.

9. The Trustees and the Town shall not be liable for damage to monuments or markers. In this connection it is recommended that

markers with raised letters, which are subject to injury despite every precaution which can be taken, and monuments having bases with polished or hammered sides, which are likewise subject to injury, be not used. Any monument or marker may be of granite.

The use of limestone, soapstone, marble, sandstone cast or cement stone and metals shall be subject to the approval in each case of the Trustees.

10. A stone cutter or other person who is to do any work upon a structure erected upon a lot or grave must before beginning work file with the Trustees or with the Superintendent a written permit signed by the proprietor of the lot or grave upon which the work is to be done, and the doing of all such work shall be under the supervision of the Superintendent. Proprietors or other persons performing any work upon a lot or grave must remove all refuse material immediately, and must not leave tools of any kind in the cemetery over night.

11. Each lot shall be marked by suitable corner posts to be erected by the Trustees and the number of the lot shall be legibly and permanently marked upon the premises.

12. Proprietors shall not have the right to set out or plant trees, shrubs and plants and no tree shall be cut down or destroyed without the special permission of the Trustees. No fence, curbing, hedge or other landmark shall be erected except with the approval of the Trustees. If any tree, shrub or hedge shall be by means of roots or branches or otherwise become detrimental to the cemetery or other lots, the Trustees may remove the same.

Interments and Removals

13. No interments shall be made until the Superintendent shall have been furnished with a permit such as is required by the laws of Massachusetts, together with an order from the proprietor or the representatives of the lot, nor till all fees have been paid.

14. Notice of any interment must be given to the Superintendent a reasonable time in advance of the date of burial. Such notice must give the name and age of the deceased, grave number, lot number, exact size of box and the name of the undertaker in charge of interment. No responsibility will be assumed for any mistake occurring for want of precise and proper information furnished in such notice, especially as to the lot in which the interment is desired, nor for any orders given over the telephone. Fees for opening graves, making and recording interments, re-interments, use of receiving tomb, funerals after working hours or upon Sundays, Saturday afternoons or holidays and other services shall be established by the Trustees from time to time and shall be paid in advance.

15. Persons desiring work done upon any lot or grave must

present satisfactory proof of ownership or authority.

16. Bodies deposited in the receiving tomb between May 1 and November 30 shall remain not over one week except by special permission.

Bodies deposited after November 30 and before May 1 following, may if in proper condition, remain until said May 1st but must be interred on or before May 15 following. No casket or coffin containing a body which has been deposited in a receiving tomb shall be opened except upon order of a member of the immediate family of the deceased person, nor in any event when in the judgment of the Superintendent the body is in improper condition. The Superintendent shall give reasonable notice to persons by whom the remains have been deposited in the receiving tomb before proceeding to inter the same.

General Regulations

17. All funeral processions shall be subject to the direction and control of the Superintendent while in any cemetery.

18. No firearms shall be allowed within any cemetery except at military funerals or memorial exercises.

19. Proper conduct during funeral services shall be enforced and no loud conversation or smoking permitted. Automobiles except as a part of a funeral procession, may be excluded from any cemetery and when permitted must not exceed a speed of 15 miles per hour. No vehicle shall be turned around on any driveway but must take the circuit of the section. Vehicles meeting a funeral procession must come to a stop until the procession has passed.

20. All persons passing through any cemetery must walk in the pathways, and must not trespass upon lots which do not belong to them, or upon lawns except for the purpose of gaining access to their own lots.

All loitering and playing is forbidden.

21. No person shall gather flowers, remove, cut, break or mark any tree, shrub or plant or mark or deface any structure within the cemetery.

The placing of flowers for decoration and the removal of the same shall be under the control of the Superintendent.

22. The soliciting of business by any person within the cemetery is prohibited.

23. No employee shall receive any fee or gratuity from any person except the standard fees prescribed by the Trustees and to be paid to the Town.

Any employee violating this rule shall be dismissed.

24. The Trustees shall have authority to grant permission to proprietors to depart in special instances from the provisions of the foregoing regulations in and only in cases where it clearly appears that the spirit and intent of the regulations will not thereby be violated.

Article 1. On motion of William W. Weeks, it was voted that the Moderator be instructed to consider the appointment of Mrs. Emily P. Howard as one of the Committee on the investigating of the feasibility of uniting with another Town in establishing a Hospital.

The following were appointed to check the voters entering the town meeting and were duly sworn by the Town Clerk.

David Whelton

Jesse N. Thaxter

Robert C. Chesley

Catherine L. Doherty

They reported that 192 names were checked as entering said meeting.

On motion of Charles F. Trevor, it was voted to adjourn without date.

MILLARD F. CHARLES, Town Clerk.

NOTICE TO PARENTS, HOUSEWIVES, PHYSICIANS, AND MIDWIVES

**Your Attention is Called to the Sections Below Taken from the Revised
Laws—Blank Forms for Return of Births Can be Obtained of
the Town Clerk**

SECTION 3, CHAPTER 444, ACTS 1897

Section 3. Physicians and midwives shall on or before the fifth day of each month report to the clerk of each city or town a correct list of all children born therein during the month next preceding, at whose birth they were present, stating the date and place of each birth, the name of the child, if it has any, the sex and color of the child, the name, place of birth and residence of the parents, the maiden name of the mother, and occupation of the father. If the child is illegitimate the name of the father shall not be stated, unless at the joint request in writing of both father and mother, which request shall be filed with the returns of births. The fee of the physicians or midwives shall be twenty-five cents for each birth so reported, and shall be paid by the city or town in which the report is made, upon presentation of a certificate from the city or town clerk, stating that said births have been reported in conformity with the requirements of this section. Any physician or midwife neglecting to report such list for ten days after it is due shall for each offence forfeit a sum not exceeding twenty-five dollars.

SECTION 6, CHAPTER 444, ACTS 1897

Section 6. Parents and householders shall within forty (40) days after the date of a birth occurring in his house give thereof or cause such notice to be given to the clerk of the city or town in which such child is born.

MILLARD F. CHARLES, Town Clerk.

HUNTING AND FISHING LICENSES IN 1929

268 Sporting Licenses @ \$2.25	\$603.00
23 Trapping Licenses @ \$2.25	51.75
42 Trapping Licenses @ .75c	31.50
3 Non-Resident Sporting Licenses @ \$2.25	6.75
7 Duplicate Licenses @ .50c	3.50

Total Receipts	\$696.50
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338 Licenses @ .25c Town Clerks Fee	84.00
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Balance due Fish and Game Commission	\$612.50
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1929 Paid Fish and Game Commission:

February 12, Paid	\$ 71.00
March 8, Paid	25.00
April 2, Paid	10.50
May 7, Paid	88.50
June 5, Paid	40.00
July 3, Paid	70.00
August 6, Paid	52.00
September 4, Paid	33.00
October 8, Paid	42.00
November 6, Paid	118.00
December 3, Paid	56.50
January 10, Paid	6.00

Total	\$612.50
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DOGS LICENSED DURING THE YEAR 1929

June 1, 356 Males @ \$2.00	\$712.00
June 1, 56 Females @ \$5.00	280.00
June 1, 3 Kennels @ \$25.00	75.00

Total Receipts	\$1067.00
415 Licenses @ .20c	83 00

June 1, Paid County Treasurer	\$984.00
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1929

Dec. 1, 160 Males @ \$2.00	\$320.00
Dec. 1, 57 Females @ \$5.00	285.00
Dec. 1, 2 Kennel Licenses @ \$50.00	100.00

Total Receipts	\$705.00
219 Licenses @ .20c	43.80

Total	\$661.20
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Total Paid County Treasurer	\$1645.20
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BIRTHS REGISTERED IN TOWN OF READING FOR YEAR 1929.

Date	Name	Parent
Jan.		
1	Ann Beverly Ellis	Louis A. and Beulah G.
1	Herbert Nathaniel McSheehey	Harold J. and Bertha C.
2	Herbert John Robertson	Herbert L. and Annie E.
2	Thelma Mae Sears	John H. and Ada G.
8	Jean Louise LeBlanc	George D. and Mary C.
9	Roy James Brogan, Jr.	Roy J. and Margaret O.
10	Lewis Clinton Bancroft	Clinton L. and Ruth B.
11		
11		
15	John Edward Gaffney	Michael C. and Gertrude H.
15	Laura Keith Post	Frank S. and Elise D.
16	Philip Dow	Clarence L. and Joanna N.
16	Raymond Edward O'Brien, Jr.	Raymond E. and Mary V.
17	Charles Alvan Barbour	Arthur A. and Marion B.
20	Lois Marie Morrison	William H. and Hazel H.
24	Cynthia Elizabeth Upton	Joshua D. and Helen C.
30	Lawrence Lyle DeLong, Jr.	Lawrence L. and Margaret M.
31		
Feb.		
2		
3	Gloria Louise Scribner	Frederick W. and Margaret D.
4	Barbara Marion Cail	James B. and Lillian M.
5	Marjorie Gertrude Lauriat	Herbert W. and Helen W.
8	Barbara Ann O'Brien	Philip H. and Eva L.
13	Dolores Doreen Garvia	Joseph and Mary C.
13	Zella Marie Peters	John L. and Josephine G.
13	Miles Adams Seaver	Ora L. and Greta M.
26	Beverly Anne Keefe	James F. and Dorothy M.
28	Ruth May Warburton	Wm. A. and Ruth D.
Mar.		
2	Richard Gray	Robert G. and Bertha P.
6	Shirley Ann Davis	Victor H. and Madeline H.
6		
9	Lillian May Sawyer	Frederick D. and Harriet F.
10	Alice Halloran	Nicholas W. and Alice L.
14	Tyler Harris Brown	Clarence D. and Agnes R.
15	Roy Joseph Arsenaault	Joseph and Mary M.

BIRTHS REGISTERED IN TOWN OF READING FOR YEAR 1929.

Date	Name	Parent
Mar.		
20	Robert Nesbitt	Herman E. and Edna Y.
23	Glendyne Althea Smith	Lewis Q. and Lillian F.
23	Philip Drummond Winn	Charles H. and Agnes D.
24	John Parker Dewey	Parker F. and Lempi T.
24	Ethel Whittredge	Leonard C. and Marie H.
25	Ethel Beauchamp	Roland N. and Nellie S.
27	Elizabeth Jewel Shaw	James L. and Helen I.
April		
5	Audrey DePattie	Walter E. and Alma M.
7	Homer Dante Valido	Rosario and Blanche G.
8	Eileen Mary O'Malley	John J. and Anna C.
9	Carolyn MacBrayne	Thurlow and Jeanette U.
15	Roy Alvin Conrad, Jr.	Roy A. and Hattie G.
15	Rita Marie Lorgoree	George E. and Mary D.
16	Beverly Hope Flater	Harold M. and Bertha Q.
19	Margaret Ellison	Guy W. and Margaret R.
19	Margaret Elizabeth McLean	Amos M. and Ethelinda N.
22		
24	Manuel D. Pitt	Robert and Annie M.
May		
1	Richard Harris	Harris S. and Helen G.
	Brownie Aulenbach	William P. and Florence C.
3	Frederick Sheehan	F. Clifford and Edith D.
6	David Clark Evans	Ernest D. Jr. and Katherine W.
6	Ernest Dalton Richmond, 3d.	Simon D. and Delsie D.
8	Mary Helen Hubbard	Harold E. and Elizabeth H.
10	Carl Cluff Gonnam	Howard J. and Bertha P.
12	Richard Fulton Perley	Clarence L. and Frances S.
13	Paul Edward Doucette	Simon and Sarah D.
13	Mary Eunice Muise	Elmer R. and Lillian L.
16	Marilyn Reed Batchelder	John and Florence D.
18	Norah Evelyn Connors	Leo A. and Althea A.
18	James Leonard Surette	James L. and Anna W.
19	Dorothy Elizabeth Sherrod	John and Mary S.
21	Ignatio John Palumbo	John H. and Genevieve D.
22	Ann Adele LeFave	Walter W. and Estelle L.
25	Marilyn Ruth Foley	J. Peter and Mary A.
26	Richard Anslem Muse	

BIRTHS REGISTERED IN TOWN OF READING FOR YEAR 1929.

Date	Name	Parent
May		
27	Joyce Barbara Smith	Donald S. and Theodora W.
28	Ruth Marie Doucette	Jerry and Florence D.
29	Douglas Phillip Doucette	Douglas P. and Gertrude M.
June		
1	Gloria Shirley Dickinson	Orrison L. and Olga P.
4	Dorothy Frances Ferrick	John J. and Hannah B.
10	William Howard Chipman	Henry A. and Phyllis M.
15	Margaret Idella Campbell	Allan and Carolyn B.
23		Salvatore and Rose F.
25	David Leonard Castine	Wilbur F. and Catherine L.
27	Gerard Ralph Dolliver, Jr.	Gerard R. and Maude P.
27	William Bradford England	Holstead and Gladys C.
29	Joseph Lawrence Doucette	Joseph H. and Julia D.
July		
1	Orrin Leonard Dyer, Jr.	Orrin L. and Alice R.
5	Robert William Brown	William G. and Margaret M.
7	Gordon Steckewich	John and Anastasia H.
14		
17	Frank Richard Foster	Harold P. and Frances M.
19	Jean Marilyn Ames	John F. and Ruth H.
19	Daniel Joseph Bennett	Austin F. and Mary K.
21	Richard Arthur Grant	John A. and Florence T.
22	Kathleen Ann Meuse	William E. and Edith C.
22	Nita Michelini	Ralph A. and Dorothy K.
23	Mary Ethel Jacqueline Ricard	Roderick R. and Edith M.
26	Eleanor Elaine MacLeod	Everett W. and Grace R.
28	Mary Anne Dunn	Frank J. and Catherine D.
29	Richard Kyle Hersee	David E. and Doris K.
Aug.		
1	Mary Jennie Burbine	J. Edward and Rosalie D.
5	Jean Shirley Chase	Charles N. and Evelyn A.
8	Phyllis May Benson	Gilman D. and May H.
17	Henderson	Richard W. and Irene M.
21		

BIRTHS REGISTERED IN TOWN OF READING FOR YEAR 1929.

Date	Name	Parent
Aug.		
23	Meredith Ackerman	Dean W. and Gladys T.
24		
28	Marjorie Jean McLucas	Ernest M. and Agnes N.
29	Harold Newell Dugin, Jr.	Harold N. and Marion C.
Sept.		
1		
3	Joseph Raymond Doucette	Jerome and Mary P.
5	Barbara Joan Richards	Thomas N. and Mary C.
5	Sally Ann McPartland	Richard B. and Alma S.
7	Robert Frederick Brown	Robert M. and Greta S.
9	Eliot Kelsey Perry	Gardner A. and Ethel K.
10	Richard Dean Peters	Walter W. and Dorothea C.
11	Arthur Micheline	Arthur and Helen N.
13	Edith Lillian Hadley	Leslie C. and Annie D.
13	Sally Viall	Milton B. and Jennie G.
13	Katherine Anne Thompson	Henry I. and Catherine W.
16	Robert Warren Cobbett	Arthur and Clara D.
18	Alfred Hanson Wheeler	Sidney S. and Florence K.
19	Joan Nelson	Dewey and Ruth B.
21	Prudence Waugh	Frederick V. and Irma W.
23		
23	Dennis Edmund Doucette	Eli J. and Margaret D.
25	Marjory Lee Collins	Harry B. and Nellie W.
26	Edward Charles Wright	Albert J. and Catherine B.
27	Charles Harold Sullivan	Charles H. and Bertha D.
27	Barbara Louise Nickerson	Charles N. and Elizabeth H.
28	Glenna Louise Maling	John C. and Katherine S.
Oct.		
2	John Northup Anderson	John H. and Mildred E.
3	Dorothy Elizabeth Coolidge	Frank C. and Bertha B.
4	Hazel Elenor Reynolds	Levi and Gladys C.
6	Ruth Elizabeth Ruggles	Gould B. and Edna W.
12	Donald William Cook	Herbert J. and Lillian W.
13	Evelyn May Surette	Joseph M. and Bertha L.
17	Barbara Ann Murphy	Benjamin F. and Mildred C.
20	Charles Henry Doucette, Jr.	Charles H. and Eva D.
21	Edward Anthony Bove	Charles and Mary M.
22	Dorothy Viola Toussaint	Alpha and Rose D.
24	William Stephen Brogan	Edwin A. and Hilda C.

BIRTHS REGISTERED IN TOWN OF READING FOR YEAR 1929.

Date	Name	Parent
Nov.		
2	Robert Harry Hewitt, Jr.	Robert H. and Lena H.
2	Peter Elein Surettet	Peter E. and Adele D.
5	Robert Thomas Richards	James F. and Clara B.
7	Mary Lou Conron	Arthur L. and Dorothy B.
11	Shirley Elizabeth Lord	Edward R. and Hannah S.
14	Robert George Humphrey	George A. and Fleda B.
16	Lawrence Bradford Poole	George W. G. and Margaret S.
18	Betty Vernetta Smith	Kermet B. and Dorritt W.
29	William Joseph Doucette	Eli J. and Mary M.
30	Burton Stuart Lieberman	Samuel and Elizabeth S.
Dec.		
2	William Edward Hickey	George T. and Elizabeth M.
6	Marian Ruth Skinner	William and Vera A.
7	Clarice Irene Jacobs	Joseph J. and Sarah S.
7	James Herbert Carnes	Harold A. and Helen C.
9	Jean Marjorie Rogers	Harold M. and Hattie N.
10	Hugh Richard Reed	Lawrence W. and Margaret B.
14	Charles Howard Enos	Joseph G. and Adelaide O.
17	Roxanne Chase	Carll S. and Eleanor U.
31		
31	Vernon Robert Sillars	Elmer V. and Gertrude L.

BIRTHS REGISTERED IN TOWN OF READING FOR PREVIOUS YEARS

Date	Name	Parents
1909		
Oct.		
12	George Frederick Watts	Rowland H. and Beatrice S.
1928		
Oct.		
6	Patricia Ruth Williams	George B. and Eleanor K.
1885		
Dec.		
6	Carolyn Peabody Wier	Benjamin and Minnie E.
1859		
Sept.		
7	Clarence Albert Rowell	Stephen P. and Hannah

MARRIAGES REGISTERED IN TOWN OF READING, YEAR 1929

Date	Names	Age	Occupation	Residence
Jan.				
17	Frederick D. Sawyer	26	Painter	Reading
	Harriet M. Flanders	18	Housework	Reading
18	Maynard Gardner Clemons	27	Title Examiner	Wakefield
	Mary Butters	24	Nurse	Reading
26	Richard Joseph McPartland	21	Boxmaker	Wakefield
	Alma Louise Sawyer	20	Hair Dresser	Reading
27	Elmer F. Dodge	20	Gas Sta. Attendant	Wakefield
	Helen Melendy	18	At Home	Reading
Feb.				
1	Ralph Carlyle Taylor	23	Collection Agency	Reading
	Barbara Whitcomb Hibbard	18	Stenographer	Boston
3	Thomas Richards	22	Machine Operator	Wakefield
	Mary Lillian Castine	21	Laundry Worker	Reading
5	Orrin Leonard Dyer	36	Automobile Instructor	Lynn
	Alice(Robinson) Grimes	29	At Home	Reading
17	Carl J. Adebahr	49	Painter and Decorator	Malden
	Pearl F. Messinger	46	Accountant	Malden
26	Kenneth Benjamin Rivers	19	Drug Clerk	Reading
	Marie Estelle Hovey	21	Stenographer	Stoneham
Mar.				
1	Russell F. Durgin	25	Garage Man	Rowley
	Frances A. Hayward	17	At Home	No. Wilmington
9	William F. Hunter	24	Salesman	Reading
	Eva G. Osgood	22	Dental Asst.	Melrose
9	G. Ralph Lighton	70	Banker	Portsmouth, N. H.
	Florence L. McLennon	53	At Home	Reading
23	John Joseph Silva, Jr.	23	Chauffeur	Cambridge
	Dorothy Ferreira	18	Candy Packer	Cambridge
31	David L. Rodgers, Jr.	30	Bank Clerk	Brooklyn, N. Y.
	Dorothy E. (Edwards)			
	Austin	29	At Home	Malden
Apr.				
6	Edward G. Quinlan	31	Lawyer	Reading
	Ethel T. O'Donnell	25	Stenographer	Dorchester
8	Peter Andrew Gallant	44	Clerk	Melrose
	Ann Josephine Gallant	43	Housekeeper	Reading
9	James Ellis Tisdale	61	Laundry	Needham
	Evelyn M. (Merrill) Rogers	38	At Home	Reading

MARRIAGES REGISTERED IN TOWN OF READING, YEAR 1929

Date	Names	Age	Occupation	Residence
Apr.				
20	Charles Raymond Reed	22	Druggist	Lexington
	Gretchen Adelaide Bowers	21	Dental Hygienist	Reading
25	William James Barkley	39	Manager	Winthrop
	Marion Bell Lane	38	Secretary	Reading
26	Walter Wyllis Pearse	31	Mechanic	Somerville
	Mary Isabel MacDonald	25	Secretary	Somerville
27	Nelson Benton Young	29	Musician	Reading
	Christine Horton Fife	29	Musician	Reading
May				
4	Raymond V. Lovejoy	25	Salesman	Pittsfield
	Evelyn Elizabeth McDermott	22	Graduate Nurse	Pittsfield
8	John Reuben Surrette	21	Salesman	Reading
	Mildred Taylor	21	Clerk	Medford
16	William James Parr	42	Fire Insurance Adjuster	Albany, N. Y.
	Julia Marie Etoll	24	At Home	Troy, N. Y.
21	Fredrick Thomas Burns	21	Laundryman	Reading
	Violet Margaret McSheehy	20	At Home	Reading
June				
1	Don Roy Spencer	23	Truck Driver	Reading
	Josephine Laura Mintiens	18	Machine Operator	Medford
2	Francis Gallagher	29	P. O. Clerk	Waltham
	Ethel Mary Collins	26	Bank Clerk	Reading
2	Donald Collins Wells	22	Art Glass Mechanic	No. Reading
	Frances Martha Gill	20	Clerk	Malden
10	Robert Edmond Ham	25	Clerk	Reading
	Priscilla Vining Webster	23	Stenographer	Reading
10	Elmer Vernon Sillars	28	Salesman	Reading
	Gertrude Lillian McDonnell	29	Clerk	Somerville
11	William A. Green	43	Salesman	Reading
	Margaret H. Hazleton	43	Factory Work	Reading
15	James Emerson Christie	23	Display Manager	Wakefield
	Ruth Wescott	20	Secretary	Reading
15	Hugh McLarren Marshall	25	Brakeman	Reading
	Margaret Agatha McHugh	28	Comptometer Operator	Woburn
15	George Upton Noyes	67	Steam and Gas Fitter	Reading
	Ada Florence (Clay) Beatey	62	Hair Dresser	Dorchester
17	Goodwin J. Atkinson	27	Salesman	Reading

MARRIAGES REGISTERED IN TOWN OF READING, YEAR 1929

Date	Names	Age	Occupation	Residence
June				
	Gladys E. Froburg	22	Cashier	Reading
17	Roger E. D'Entremont	25	Fibre Worker	Reading
	Leone Grace Doucette	19	Bookkeeper	Reading
17	Francis Greeley	31	Die Maker	Reading
	Mary Louise McMahon	29	At Home	Wilmington
22	Orrin S. Gray	56	Chauffeur	Reading
	Edna M. (Wood) Clark	38	Housekeeper	Reading
22	Carter Kimball Ruggles	24	Broker	Reading
	Doris Gertrude Sanders	22	Hair Dresser	Reading
22	William David Quillen	28	Manager	Reading
	Grace Dorothy Kennedy	23	Secretary	Melrose
23	Thomas Francis Gallagher	22	Clerk	Reading
	Mary M. Ryan	22	Artist	Reading
29	Ivar Frederick Johnson	26	Painter	Reading
	Ethel Doris Comee	23	Stenographer	Wakefield
29	Henry Carlton Milton	22	Teller	Reading
	Gladys French	25	Teacher	Reading
30	John Devney	30	Rubber Worker	Reading
	Nona Connolly	26	At Home	Wakefield
July				
11	Walter Doucette	21	Florist	Reading
	Gertrude Christine Paulsen	23	Registered Nurse	Woburn
13	Edward Foley	27	Rattan Worker	Wakefield
	Lottie Jamieson	36	Rattan Worker	Wakefield
13	Robert John Scott	24	Lead Burner	Woburn
	Lillian Edith Peters	22	Stenographer	Somerville
14	Abel William Meuse	27	Rubber Worker	Reading
	Mary Louise Castine	25	Shoe Worker	Reading
14	Arthur Edward Turner	23	Chauffeur	Reading
	Ada Mary Pettipas	27	At Home	Reading
22	Charles G. Simpson	45	Building Supt.	Boston
	Isabel G. Fyfe	45	At Home	Reading
29	Stuart Forbes Richards	29	Merchant	Reading
	Ednamay Kelso	19	Student	Reading
30	Dion Patrick Burke	26	Clerk	Reading
	Suzanne Elise Vanbellinghen	21	Spooler	Lawrence
Aug.				
1	Henry S. Blethen	39	Electrician	Reading

MARRIAGES REGISTERED IN TOWN OF READING, YEAR 1929

Date	Names	Age	Occupation	Residence
Aug.				
	Beatrice M. Flagg	25	Bookkeeper	Reading
3	William Patrick MacMahon	29	Salesman	Salem
	Margaret Teresa Very	29	At Home	Reading
5	Alex G. Newbury	32	Chauffeur	Saugus
	Florence A. Palmer	40	Hair Dresser	Melrose
10	Hazen Curtis, Jr.	25	Salesman	Reading
	Bertha Marguerite Harris	25	Hair Dresser	Meuthen
12	William Granville Low	22	Lather	Reading
	Mary Katherine Hart	22	Bookkeeper	Lynn
25	Clarence Richard Crosswell	28	Lineman	No. Reading
	Ethel May Powers	21	Housemaid	Sanford, Maine
26	Howard Nash Oram	22	Mechanic	Reading
	Rona Ellen Veno	20	Waitress	Everett
31	Karl Frederic Barrett	22	Lumberman	Melrose
	Gladys Genevieve Morrow	19	Operator	Reading
Sept.				
7	James Warren Killam, Jr.	27	Attorney	Reading
	Gladys Mae Trevor	26	Dental Hygienist	Reading
7	Frederick August Peterson	38	Foreman	Cambridge
	Mary Elizabeth Nickerson	31	Secretary	Reading
8	Fred Wylder Merritt	25	Bookkeeper	Reading
	Mary Angela Foley	23	Bookkeeper	Melrose
10	Samuel W. Ingraham	65	None	Hopkinton
	Mary E. (Bockman) Saunders	56	At Home	Boston
13	Richard Walter LeBlanc	20	Shoe Cutter	Wakefield
	Edna Rose Davis	19	At Home	Reading
14	Charles Stoddard Connor	26	Civil Engineer	White Plains, N. Y.
	Eleanor Hedges	26	Secretary	Reading
14	Charles Lucian Nelson	23	Mechanic	Reading
	Zelda Frances Ainsworth	22	Bookkeeper	Reading
15	Herman Brown	26	Merchant	Reading
	Marion May McLeod	29	Housework	Reading
15	George Joseph Farpella	18	Farmer	Reading
	Mary Grace George	17	Stitcher	Arlington
17	Harry Russell Thompson	41	Shipper	Reading
	Mabel (Palmer) Robinson	42	At Home	Reading
21	Brooks Carter White	21	Banker	Reading
	Mary Elizabeth Adden	20	At Home	Reading

MARRIAGES REGISTERED IN TOWN OF READING, YEAR 1929

Date	Names	Age	Occupation	Residence
Sept.				
22	Donald W. Mills	32	Painter	Everett
	Sadie Rich	19	Nurse	Lynn
26	Louis Nelson Porter	23	Fisherman	Wakefield
	Marie Clemente Surette	22	Housework	Reading
28	Albert L. Tuttle	65	Sheet Metal Worker	Reading
	Isabel M. (Keyes) Crane	60	Housework	Reading
29	Walter John Francis	22	Service Station	
			Operator	Cambridge
	Elizabeth Hildur Younghans	19	Office Clerk	Reading
Oct.				
2	Alfred Elmore Tyler	21	Merchant	Reading
	Ermel Minnie Sturgis	20	Private Secretary	Wakefield
4	James Joseph Ferrick	53	Crossing Tender	Wakefield
	Catherine Ellen (McArdle)			
	Gallagher	49	At Home	Reading
5	William Webster Crockett	22	Clerk	Reading
	Bernice Kathleen Harpell	23	Bookkeeper	Reading
8	Benedetto DeMatteo	24	Track Foreman	Reading
	Madeline Sybil Grantor	24	Dental Assistant	Bradford
9	Harold Edward Quigley	23	Seaman	Reading
	Helen Zaida Dickinson	21	At Home	Reading
12	John Joseph Finnerty	26	Clerk	Reading
	Edna May Sullivan	25	Clerk	Reading
12	John Joseph Graham	24	Town Employee	Stoneham
	Mary Anna Spillane	24	Stenographer	Reading
12	William James Score, Jr.	19	Printer	Reading
	Mary Carolyn Lewis	18	Clerk	Reading
12	John Joseph Scanlon	24	Engineer	Stoneham
	Bernice Margarite Doucette	21	Bookkeeper	Reading
13	Fred Wayland Nelson	26	Contractor	Reading
	Ellen Anita Sandberg	21	Commercial Artist	Dorchester
14	Donald Hart Briggs	26	Insurance	Reading
	Catherine A. Ring	31	Secretary	Haverhill
14	Ralph Erman Noble	21	Printer	Medford
	Phyllis Marjorie Lowe	21	Copy Writer	Boston
18	Frank W. McKellar	30	Clerk	Allston
	Bernice E. Hook	32	Cashier	Boston
19	Paul John McDonald	30	Lawyer	Chelsea
	Alice Teresa Ahern	30	Bank Clerk	Reading

MARRIAGES REGISTERED IN TOWN OF READING, YEAR 1929

Date	Names	Age	Occupation	Residence
Oct.				
26	Robert John Quigley	26	Painter	Reading
	Viola Gertrude Morrow	24	Machine Operator	Reading
26	John Francis Richards	20	Weather Proofer's Helper	Reading
	Adele Isabel LeFave	18	At Home	Reading
28	Charles Francis Middleton	29	Grocery Clerk	Reading
	Alberta Amelia Schmitt	23	Stenographer	Reading
30	Lewis S. Williams	61	Commercial Traveller	Reading
	Elizabeth Y. Taylor	50	At Home	Wilmington
Nov.				
3	James John Harris	25	Reserve Policeman	Malden
	Abigail Marie McGary	43	At Home	Reading
3	Philip Winslow Rounsvelle	49	Manufacturer	Tewksbury
	Emily Kenney Whittle	33	Bookkeeper	Reading
9	Robert Swett Stevens	21	Clerk	Reading
	Helen Elizabeth Cady	22	At Home	Huntington
12	Harry Francis Frederick Simpson	24	Foreman Inspector	Revere
	Mary Georgiana Muise	23	At Home	Reading
23	Arnold Clarkson	23	Clerk	Reading
	Lillian Florence Mazzie	24	Clerk	Reading
23	Francis Greenwood Shepherd	25	Elec. Work Engineer	Newton
	Jennie Harriet Stokes	20	At Home	Reading
23	Milton Warren Symonds	31	Box Manufacturer	Reading
	Marion Roxalana Spencer	24	Saleslady	Wakefield
28	J. Victor Bearse	21	Mechanic	Reading
	Marjorie V. Hilton	19	Assembler	Reading
Dec.				
18	John J. Crotty	26	Electrician	Billerica
	Helen M. Starbird	22	At Home	Billerica

DEATHS REGISTERED IN TOWN OF READING, FOR YEAR 1929

Date	Name	Y	M	D	Cause of Death
Jan.					
1	Mary Belinian	88	—	—	Myocarditis
1	Gertrude L. Edgerley	59	3	14	Carcinoma
1	Anne R. Howe	61	—	15	Myocarditis
3	Ethelann Burbine	—	9	—	Pneumonia
6	Sarah F. Cummings	48	3	3	Pneumonia
7	Elnora Ruth Turner	32	—	—	Tuberculosis
8	Sarah J. Christie	80	1	12	Arterio Sclerosis
8	Mary Josephine Perry	83	—	—	Myocarditis
9	William J. Hinchcliffe	74	4	2	Arterio Sclerosis
11					
14	Peter J. Flynn	42	6	—	Automobile Accident
14	Edwin Lord Fullerton	89	4	14	Pneumonia
15	George J. Ingalls	0	7	7	Strangulation
15	Florence Elmira Killam	73	1	7	Apoplexy
16	Neomise Meuse	30	—	—	Pneumonia
16	Mary E. Surette	76	8	—	Pneumonia
17	Mae F. Copeland	49	10	30	Heart Disease
19	Bradford C. Foster	13	9	4	Influenza Pneumonia
23	Martin William Sargent	52	8	27	Diabetes
28	Martha L. Parker	81	3	30	Bronchitis
29	Catherine Matherson	89	7	26	Carcinoma
30	William Howatt Gardner	67	11	13	Pneumonia
31					
Feb.					
2	Emma F. Allen	86	2	30	La Grippe
2					
3	William M. Foss	72	—	20	Arterio Sclerosis
3	Eliza Jane Graham	80	—	—	La Grippe
10	Zaida E. (Stilphen) Dickinson	84	11	17	Myocarditis
14	Philip Dow	0	0	29	Cellulitis
16	Charles Merle Farr	1	0	13	Pneumonia
19	Jennie Anderson	79	0	30	Hemorrhage
21	Margaret I. Fellows	60	7	4	Endocarditis
23	Julia E. Doucetté	75	—	—	Pneumonia
23	Vera Mary Meuse	27	11	—	Tuberculosis
Mar.					
4	William Francis Eccles	69	5	3	Myocarditis
4	Alvinza Leach Green	76	2	7	Hemorrhage

DEATHS REGISTERED IN TOWN OF READING, FOR YEAR 1929

Date	Name	Y	M	D	Cause of Death
Mar.					
6					
9	Sarah M. Rogers	67	5	16	Carcinoma
13	Sarah Elizabeth Knight	91	5	22	Pneumonia
18	Antonio Michellini	71	6	18	Angina Pectoris
25	Dorothy Allen Maxwell	1	2	8	Gastritis
25	George A. Wildon	63	0	23	Automobile Accident
Apr.					
1	John Moreland	64	—	—	Hemorrhage
4	Oscar W. Batchelder, Jr.	14	3	21	Appendicitis
4	Louis George Dulong	86	—	—	Carcinoma
4	George Wakefield	72	5	22	Pneumonia
5	George F. McDonald	80	8	19	Hemorrhage
6	Abby J. Hunnewell	87	7	19	Emboli
7	Ida Stratton	68	—	—	Tabes Dorsalis
17	Ida Levine	76	—	—	Hemorrhage
23	Martha L. Blood	88	3	1	Arterio Sclerosis
26	Fred Griffin	60	—	—	Nephritis
26	Margaret Hubbard	78	—	—	Carcinoma
27	John B. Howard	20	5	7	Hemorrhage
30	Isabell S. Davis	53	—	—	Pneumonia
May					
5	Daniel N. Messinger	87	0	5	Myocarditis
14	Martin Kearns	91	—	—	Hemorrhage
21	Mary Eunice Muise	—	—	7	Acidosis
25	Henry T. Leavis	67	10	3	Arterio Sclerosis
26	Ruth A. Salomons	70	—	—	Hypertension
31	Frank Howard Swett	60	6	14	Carcinoma
June					
2	Clarence Edwin Bowers	73	2	—	Heart Disease
12	Patrick Casey	71	—	—	Hemorrhage
22	George James Thorburn	71	3	25	Hemorrhage
26	Mary Carney	92	8	—	Myocarditis
29	Calista Parker	77	6	28	Myocarditis

DEATHS REGISTERED IN TOWN OF READING, FOR YEAR 1929

Date	Name	Y	M	D	Cause of Death
July					
3	Frederic Edwards Bronson	48	5	19	Hemorrhage
3	Annie E. Payson	73	10	24	Heart Disease
6	Edmund Dunn	18	1	7	Accidental Drowning
9	Flora Guenard	54	10	12	Cardiac Failure
11	Harold W. Kendall	32	—	—	Brain Abscess
12	Robert A. Jewett	47	11	10	Endocarditis
13	Julia Devaney	45	—	—	Carcinoma
16	Isadore Viola Phinney	82	8	7	Intestinal Obstruction
21	John S. Power	57	—	—	Hemorrhage
21	Isa May Ward	56	6	18	Myocardial Failure
21	William Henry White	69	—	—	Pneumonia
26	Oliver M. Wade, Jr.	21	1	2	Accidental Drowning
27	Sarah Lucy Putnam	30	7	9	Typhoid Fever
29	Richard K. Hersee	0	0	1	Malformation
29	Thomas B. Hinds	43	—	—	Embolism
29	Florence Emma Horton	60	11	13	Myocarditis

Aug.

21					
22	Matthew Devaney	65	—	—	Thrombosis
23	John Bacigalupo	71	9		Exhaustion
26	Sarah J. Bancroft	82	5	30	Heart Disease
26	Frederick Wallace	70	10	14	Hypertension
27	Lydia Melonson	58	1	21	Carcinoma
28	James S. Safford	62	11	10	Myocarditis
29					
31	Gertrude Merritt	8	4	—	Meningitis

Sept.

1					
7	Daniel Zapp	79	4	28	Hemorrhage
8	Polly Kemp Murphy	59	7	8	Carcinoma
17	A. Walter Wiley	58	7	—	Angina Pectoris
23					
27	George H. Lavallie	65	3	6	Carcinoma
28	William J. Draffin	76	1	22	Automobile Accident
29	Almina Clancy	21	—	14	Status Lymphaticus

DEATHS REGISTERED IN TOWN OF READING, FOR YEAR 1929

Date	Name	Y	M	D	Cause of Death
Oct.					
5	Edwin G. Thompson	75	9	5	Hemorrhage
9	Elmira G. Adden	94	3	12	Fracture of Hip
11	Mabel E. Merritt	22	2	18	Nephritis
13	Harriet R. Whitton	73	10	13	Heart Disease
14	Mary White	78	10	14	Jaundice
24	William B. Davidson	51	11	27	Cancer
26	Ermina J. Clark	45	6	16	Anaemia
31	Mary J. Rand	76	2	16	Arterio Sclerosis
Nov.					
4	Robert H. Hewitt	0	0	2	Trauma
4	John Joseph Walsh	76	6	—	Pneumonia
11	Catherine Cashman	33	11	—	Tuberculosis
16	Zoa L. Varnum	67	—	12	Angina Pectoris
18	Cordelia R. Walker McBay	86	2	16	Thrombosis
20	Bertha A. Miller	80	6	13	Myocarditis
27	Arthur Treadwell Edwards	29	8	24	Pericarditis
Dec.					
7	James H. Carnes	0	0	1	Hemorrhage
7	Francis M. Forbes	95	1	7	Myocarditis
10	Frances Chase Wright	93	0	13	Hemorrhage
21	Cora A. Eaton	64	0	22	Carcinoma
23	Arthur G. Bancroft	58	4	11	Heart Disease
24	Anna G. Anderson	57	3	28	Myocarditis
26	Harlan B. Poore	77	2	—	Bronchitis
28	Cora E. Kingman	74	—	—	Unknown
31					
31	Lottie M. Nichols	71	10	5	Embolism

REPORT OF SELECTMEN

To the Citizens of the Town of Reading:

We herewith respectfully submit the annual report of the Board of Selectmen for the year ending December 31, 1929, together with the reports of the several departments under our supervision or control.

The first meeting following the election was held March 8, 1929. Charles F. Trevor was chosen Chairman, Mollie A. Sweetser, Secretary, W. Homer Morrison being the third member. Leon G. Bent was appointed Clerk.

Appointments

Chief of Fire Department—Orville O. Ordway.

Superintendent of Fire Alarm—Hugh L. Eames.

Inspector of Buildings—A. Russell Barnes.

Burial Agent—Alfred E. Goodwin.

Custodian of Soldiers' Graves—Walter I. Sweetser.

Director of Agriculture—Rolland E. Perry.

Sealer of Weights & Measures—Carl M. Smith.

Board of Appeal—Henry Q. Millett, Fred L. Nutter, Charles A. Damon.

Fence Viewers—Carl B. Sawyer, Albert E. Temple, Wendell B. Newell.

Weighers of Coal & Hay—W. Irving Bancroft, Bertha D. MacLellan, Wendell B. Newell, Charles W. Lee, Thomas E. Brogan, Mabel L. MacKay, Percy N. Sweetser, William H. White, Ruth Climo.

Field Drivers—Willard A. Bancroft, Adolph S. Larson, Rolland L. Perry.

Inspector of Wires—Hugh L. Eames.

Gas Inspector—David Taggart.

Reading Safety Council—Florence H. Libby, Gladys N. S. Fairchild, Alvah W. Clark, Edward G. Quinlan, Jeremiah Cullinane, Adelbert L. Safford, William J. Lumbert.

Finance Committee—Laura S. Gordon, Earle B. Ordway, Forest H. Bryant, Pearl M. Burgess, Orlando C. Moyer, J. Warren Killam, William A. Haley, Edward J. Scott.

Commissioner of Trust Funds—Philip H. Tirrell.

Inspector of Animals—Calvert H. Playdon.

Special Police—Leonard Clarkson, J. Fred Richardson, Sylvanus L. Thompson, Edward W. McBrien, Walter Smith, James L. Healy, Henry W. Bryden, James H. McLellan, William H. Killam, Frank F. Strout, William P. Pierpont, William H. Manning, Charles H. Melendy, Gardner A. Perry, Earl R. Hutchinson, William D. Quillen, Ralph F. Plouff, George O. Flanders, Kenneth L. Crocker.

Licenses Issued

Second-hand Motor Vehicle Licenses

Gray & Webster Motor Sales, Reading Motor Co., John H. Bates, Inc., Bal-Don Motors Inc., Reading Hudson-Essex Co., Barry Motor Sales.

Lord's Day Licenses

George W. Moody, Frank J. Torre, Lewis Q. Smith, Teresa DeMayo, Evan E. Keene, Beatrice W. Jewett, Alfred F. Shiner, Frank M. Marsh, Spiro & Costa, James Manuel, Frances Smith, Julia M. Caldwell, Edward H. Emerson, Burbank & White (2), Nellie B. Holder, F. W. Lloyd, Gerritson & Melanson, George L. Byron, Antonio Demarco, Samuel Lieberman, Arthur Turner, Yesai Minasian, Harold L. Roberts, John F. Havens, Walter I. Williams, Mrs. C. P. Gifford, Cuneo & Defarri, Arthur D. Towne, James Costules, Herman Brown, Edward H. Emerson, Philip H. O'Brien, Robert D. Lowell, Edward F. Brown, Frank H. Jury, Frank L. Brown.

Common Victualer's Licenses

John M. Hickey, George W. Moody, Aram Dagdigian, Lewis Q. Smith, Teresa DeMayo, John McKinnon, Alfred F. Shiner, Reading Inn, Lewis R. Brown, Albert S. Cann, Frank M. Marsh, Frank J. Ricard, Frances Smith, Julia M. Caldwell, Edward H. Emerson, (2), Burbank & White (2), F. W. Lloyd, Hugh J. McNeil, Yesai Minasian, F. E. Bulley, Murphy & Finnegan, John F. Havens, Ralph H. Woodfall (2), Rose C. Kerr, Hattie J. Conrad, Frank L. Brown.

Amusement Licenses

Under Chap. 140, Gen. Laws

Teresa DeMayo, Burbank & White, Albert S. Cann, Lewis R. Brown.

Taxi Cab Licenses

Gardner A. Perry (2), John Goff (4), Simon Castine (3), Clarence E. Castine (4), William R. Borthwick.

Truck Licenses

George T. Lewis, Harold W. Batchelder, Clarence E. Castine, Angelo Zanni (3), C. Irving Nesmith, Francis Merrill, Oscar R. Whiting, Joseph L. Peters, Felix Arsenault, L. W. Chase, Percy N. Sweetser (2), Leora F. Stratton, E. A. Crosby, R. P. Eldridge, Justin Moore.

Bowling & Pool Licenses

Abbott & Tucker, R. E. Tucker.

Junk Dealers

Jacob Riseman, Max Horovitz, Jacob Wienberg.

Other Licenses

Auctioneers, George E. Horrocks, Frederick L. Springford; Theatre, Turnbull & Rogers; Third Class Liquor, Danforth's Pharmacy; Inn Holder, E. W. Rogers.

Regular weekly meetings have been held during the year and also three special meetings.

There have been 8 public hearings on applications for permits for garages and for the storage and sale of gasoline and other volatile fluids and 2 hearings on relocation of tanks, or increased capacity. The following permits have been issued:

Reading-Hudson Essex Co., George W. Davis Co., Barry Motor Sales, Bal-Don Motors, Inc., Sanford Mills "L" and for relocation, S. R. Stembbridge Co., Herbert T. White and E. H. Emerson. One petition for gasoline permit was withdrawn and one petition was denied.

Early in the year upon the petition of many residents of North Main Street and the Mason Bus Line for less restricted or unrestricted service, the Selectmen held hearings and gave the matter much attention. The Board petitioned the Department of Public Utilities for a hearing on the modification of restrictions imposed and after such hearing the petition was dismissed.

The Board is strongly of the opinion that the Town should build a suitable building for the Police Department and a Town Lock-Up.

This matter was before the Town in 1924 and the need existing then has greatly increased during the intervening years and the Board recommends that this project be put through in 1930.

The increased volume of motor traffic creates a condition which warrants serious consideration. One of the important matters is the danger of accidents at the intersection of certain streets. In accordance with the vote of the Town at a special meeting in June, automatic traffic signals have been installed at the intersection of Summer Avenue and Prescott Streets.

The Board has established a sixty minute parking limit in the business section of the Town and have installed parking signs.

The land given to the Town by William R. Scharton, Esquire, at the corner of Franklin and Haverhill Streets, was accepted by the Board of Selectmen and the rounding and widening of the corner was carried out by the Board of Public Works, thus eliminating the serious traffic hazard.

Traffic beacon originally installed at the intersection of Franklin and Main Streets was moved to the above location.

Two other flashing beacons which in the opinion of the Board were no longer required have been stored for future use.

The Board is considering installing "STOP" signs on certain entering streets at the intersection of the main travelled highways.

Special Police Officer, Earl R. Hutchinson was appointed to the regular force and the Board recommends that an additional officer be appointed in order to provide for the greater protection of children.

In accordance with the vote of the Town, the Selectmen purchased a three car steel garage to accommodate the police department cars.

and motor cycles.

The Board is considering the advisability of installing a teletype at police quarters as this device furnishes a means of instant communication between towns and cities so equipped and is being recognized as a great aid in the apprehension of law breakers beside giving other information of importance to the police.

Carrying out the vote of the Town at the June meeting, the Richardson House, so called, on Lowell Street was removed and the lot graded, which has made decided improvement in the appearance of the civic center of the Town.

The Board recommends that the Inspector of Buildings be authorized to make a charge for all building permits to be paid to the Town Treasurer.

In conclusion, we desire to express our appreciation to the other Town officers cooperating with us during the year.

CHARLES F. TREVOR,
MOLLIE A. SWEETSER,
W. HOMER MORRISON,
Selectmen of Reading.

REPORT OF THE BOARD OF PUBLIC WELFARE, 1929

To the Citizens of Reading:

The Board of Overseers of Public Welfare presents the following report for the year ending December 31, 1929:

The Board organized for the year by the election of Mary F. Daniel as Chairman and Annie E. Patrick as Secretary, Charles F. Trevor being the third member. Leon G. Bent was appointed Clerk and Helen A. Brown Visitor for the Board.

The chief reasons which made public relief necessary in the cases aided may be briefly enumerated as follows:

	Cases
Illness	7
Unemployment	6
Old Age	4
Widow	8
Desertion, or non-support	5
Mentally deficient	3
Husband in jail	1
Individuals aided	184
Adults	73

Children	111
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Families Aided

*Having settlement in Reading	27
Having settlement elsewhere in State	5
Having no known settlement	7
*Persons having resided in Reading for 5 consecutive years.	
Boarded in private families	7
Children boarded by the State	2
Cared for at State Infirmary	9

The financial disbursements of the Department for 1929, are as follows: Administrative expenses including the salary of visitor and clerk, \$1011.72.

Amount expended for town cases, Aid, Board & Care, \$10,934.85 from which may be deducted reimbursements from other towns \$1508.83 and from the Hospital Fund \$569.65. Total \$2,078.48, actual outlay of \$8,856.07.

In addition to the above expenditures the Commissioners of Trust Funds have authorized the payment directly from the Hospital Fund of \$980.59 for Hospital cases coming under the provisions of the will of Gilman L. Parker.

Disbursements under Temporary Aid \$2,167.22 the total amount being reimbursed by the Commonwealth.

Mothers' Aid total disbursements \$3,718.13, of which the Commonwealth reimburses the Town \$1,260.90 leaving the amount paid by the Town \$2,457.23.

The State Department of Public Welfare reports that the rate of dependency in Massachusetts has not materially increased in the last twenty years. While the percentage over such a long period of years show little variation, there is a large variation from year to year, which, when analyzed, is found to be caused by more or less serious periods of unemployment, usually occurring in the winter months. When the unemployment factor is eliminated the remaining burden of dependency is substantially constant. The control of the unemployment factor is an essential next step in the prevention of dependency.

In an effort to acquire a knowledge of the work of the department the chairman is attending the six months Training Course offered by the State Department of Public Welfare. The course includes lectures and case discussions. Six full days are required for visiting the five institutions of the department and for a visit to private institutions in and around Boston.

The Board has tried to aid the worthy and to prevent suffering. Effort has been made to investigate as fully as possible all requests for assistance and to oblige those who can secure work to support themselves and their families. In some cases little sympathy can be given the adults, but the children who are the innocent sufferers cannot be

left in want. It is for their sake that assistance is granted.

The Board highly commends the work of Miss Brown, the visitor, whose report follows. Her kindness is far reaching. She establishes friendly contacts with all who are in need and is untiring and constant in her efforts to aid those in need of temporary assistance and those for whom the Board assumes entire responsibility.

We are appreciative of the co-operation of the Board of Public Works, who have helped this department by giving work to the unemployed.

We are grateful, also, to Mr. M. F. Charles who very considerately placed at our disposal the use on Friday evenings of the Town Clerk's room. The work of the Board is of such nature that the privacy of such a room is greatly needed.

MARY F. DANIEL
ANNIE E. PATRICK
CHARLES F. TREVOR

REPORT OF VISITOR

To the Board of Public Welfare:

I herewith submit my report for the year 1929.

Although the number of persons aided during the year has not increased greatly, this department has had to deal with several unusually trying problems, which have taken a great deal of time and patience from the members of the Board as well as the Visitor. There has been also more unemployment during the last two months than for some years. This causes hardships when there is a large family of children, where the breadwinner has not been in a position to save money ahead to use in time of need. The number of applications from families never before aided was 12, beside a new application from 8 other families who had had aid in some previous year, making a total of 20 applications. In 10 of these the aid was for a short time only, and 4 other families having ceased to need aid, a total of 14 cases have been closed.

The Visitor recorded 466 visits made to homes, besides several trips to hospitals with children when the parents were unable to go, and to the State Infirmary to visit patients staying there. The usual routine work of attending to grocery orders, approving milk, coal, and rent bills has been carried on as in previous years. A number of our people have been sent to hospitals for necessary treatments and have been greatly benefitted. The Parker Fund used in payment of these cases has been very much appreciated and has been a very great help.

A five months course in Public Welfare work, given in weekly lectures at the State House, was attended by the Visitor, who felt well repaid for the time and effort given, by the knowledge and experience gained from this practical course, and in visits to several State Institutions.

The cooperation of the Visiting Nurse, School Nurse, Attendance Officers, and Good Health Committee, was much appreciated as in previous years. Thanks are extended to the Social Service Committee of the Visiting Nurse Association for preparing and sending out the bountiful Thanksgiving baskets, the contents of which are largely given by the school children. Representatives of many organizations met together before Christmas to make plans for the Christmas giving, thus avoiding duplication in the work. We wish to extend our thanks to all these organizations and kind friends who gave Christmas dinners, clothing, and toys to many families who otherwise would not have had Christmas cheer.

The Visitor wishes to thank the members of the Board for their constant interest and help during the year. Attention to details and a thorough understanding of each case has been a great help, and a larger share of responsibility taken, has been much appreciated by her. Visits made together to the homes have been beneficial and she appreciates the time and effort given by the new members to the work. Mr. Bent, the clerk of the Board, is always willing to help in problems which come up, and his assistance is much appreciated.

Respectfully submitted,

HELEN A. BROWN, Visitor.

REPORT OF THE BOARD OF APPEAL

To the Honorable Board of Selectmen:

Gentlemen: Eight petitions for relief from different provisions of the Zoning By-Law were presented to the Board of Appeal during 1929, on all of which public hearings were given. Of these petitions, four were granted, four denied.

Of the four petitions granted, two were for permission to construct additions to residences, bringing the structures nearer to the lot lines than permitted by the By-Laws; one was for permission to erect a dwelling house nearer the street than permitted but in line with another dwelling house built before the adoption of the Zoning By-Law; one was for extension of non-conforming use.

The four petitions denied were all for variation of the By-Law

to allow use of permits for business purposes in residential zones.

One petition was presented to the Board under Section 6, of the Building Laws, for a ruling on the intent of Section 7, as to the construction of a fire resisting wall in a building intended for use as a restaurant. The Board ruled that it was clearly the intent of said Section to include restaurants in the list of exceptions to such requirement.

Respectfully submitted,

HENRY Q. MILLETT, Chairman

FRED L. NUTTER, Secretary

CHARLES A. DAMON,

Board of Appeal.

REPORT OF INSPECTOR OF BUILDINGS

To the Honorable, Board of Selectmen:

Gentlemen:—I herewith submit my report for the year ending December 31, 1929.

The building construction for the past year was as follows: 76 new one-family dwellings at an estimated cost of \$436,485.00; 33 alterations and additions to dwellings at an estimated cost of \$38,770.00.

38 new one-car garages, 21 new two-car garages, 1 new block of stores, 2 new auto repair shops, 2 new service stations, 1 new filling station, 2 new greenhouses, 4 new road-side stands, 3 new storage buildings, 9 new hen houses, 22 alterations and additions to various buildings.

Estimated cost of the above buildings, \$98,190.00.

Total estimated cost of all new and remodelled buildings for the past year, \$573,445.00.

Respectfully submitted,

A. RUSSELL BARNES,

Inspector of Buildings.

REPORT OF TOWN COUNSEL

To the Honorable, the Law Committee of the Town of Reading, Reading, Mass.

Gentlemen :

I beg to submit my report as Town Counsel for the year ending December 31, 1929.

The matter of the apportionment of the cost of the Northern Artery referred to in my 1928 report was finally disposed of by the legislature by the enactment of an amendment to Statute 1924, Ch. 489, by which amendment the cost was divided between the Commonwealth, the cities and towns of the Metropolitan Parks District and the Cities of Cambridge and Somerville. No portion of this cost therefore fell upon the Town of Reading in the final outcome.

A good deal of time was spent during the year upon matters pertaining to the Reading cemeteries. The Board of Cemetery Trustees prepared a new set of rules and regulations for the governance of both cemeteries and also new forms of deeds and certificates. When the question of the authority of the Board to make rules and regulations came to be considered the history of the Board was traced back and it appeared likely that the original vote creating the Board might not have been valid. A special act of the legislature was therefore sought and obtained establishing the Board of Cemetery Trustees and confirming the titles of its members then in office, the Board to have the same powers in every respect as a Board of Cemetery Commissioners existing under the authority of the general laws. The act reserves to the inhabitants of the town the right to change the constitution of the Board in the future in any way which would be permitted by the general laws.

The bill in equity brought by William H. Killam against the Town referred to in my 1928 report is still pending. There is also pending the petition by Mr. Killam for the assessment of damages for a taking made through his land in order to establish permanently the right of the town to the line of sewer laid therein. Considerable time has been spent in negotiations relative to this matter which have not resulted in any adjustment and it is probable that the case will have to be tried out in court.

There is still pending the suit by Richard M. Cutts referred to in the 1928 report; also three other suits for damages due to alleged defects in streets brought during the year 1929, the plaintiffs in the latter suits being Ruth Pearce, Eva M. Pearce and Benjamin E. Sefton. Each of these latter suits has an ad damnum of \$1,000.

The usual routine matters such as trustee suits, opinions, preparations of deeds, votes and various papers have occupied considerable time, particularly in connection with the activities of the Board of Public Works with respect to sewers, drains, new street layouts, etc.

As I shall not seek reappointment at the end of my present term of office I desire on this occasion to express my sincere thanks to my friends whether in or out of town office, who during my terms of ser-

vice have extended their confidence and co-operation. I trust that these pleasant contacts may be renewed from time to time, and with most grateful and sincere good wishes for the future welfare, growth and progress of the Town, I am,

Respectfully yours,

MELVILLE FULLER WESTON,

Town Counsel.

REPORT OF BOARD OF HEALTH

To the Citizens of Reading:

There were sixty-eight (68) contagious cases reported during the year 1929.

Diphtheria	2
Chicken Pox	14
Scarlet Fever	15
Measles	10
Lobar Pneumonia	4
Tuberculosis	4
Typhoid Fever	4
Mumps	5
Whooping Cough	10
Number of deaths	89
Male	40
Female	49

5 were over 90 years

13 were between 80 and 90

27 were between 70 and 80

10 were between 60 and 70

14 were between 50 and 60

4 were between 40 and 50

2 were between 30 and 40

2 were between 20 and 30

1 was between 10 and 20

2 were between 1 and 10

4 were under 1 year

5 still births

Respectfully submitted,

E. M. HALLIGAN, M. D.

C. F. ATKINSON,

G. W. S. IDE,

Board of Health.

REPORT OF INSPECTOR OF PLUMBING

To the Board of Health:

Gentlemen:—I herewith submit my report for the year ending December 31, 1929.

Number of permits granted	143
Number of fixtures installed	676
Bath tubs	118
Lavatories	133
Closets	163
Sinks	122
Wash Trays	137
Showers	3

Respectfully submitted,

DAVID TAGGART,
Inspector of Plumbing.

REPORT OF MIDDLESEX COUNTY EXTENSION SERVICE WORK IN READING

To the Honorable, Board of Selectmen:

Reading, Massachusetts.

The following is a report of the work carried on in the Town of Reading under the auspices of the Middlesex County Extension Service.

In boys' and girls' 4-H Club work 38 boys and girls were enrolled in the clothing, canning, garden and poultry clubs. Mrs. Ida C. Lucas, Miss Virginia Perry and Henry Johnson assisted as local leaders. Raymond Bell stood third in the county poultry contest and was awarded a medal by the Middlesex County Poultry Association. He also represented Middlesex County at Camp Vail, held at the time of the Eastern States Exposition. Olive Spear won sixth prize in the county canning contest held at Acton Fair. The canning club exhibited their products in the window of G. H. Atkinson's store. Olive Spear was awarded a Two Day Trip to the Massachusetts Agricultural College for doing outstanding club work. Many of the local boys and girls attended the 4-H Club rally held in the Town of Wakefield.

In home economics a group of women were interested in the Living-room Improvement project and as a result of a series of five

meetings reported 65 changes in their homes. Mrs. H. F. Davis and Mrs. R. L. Perry acted as local leaders. This same group, along with one in the center of Reading, were also interested in the Vegetable Preparation program. Mrs. Charles Trevor, Mrs. J. S. Barr have been the leaders for this second group.

In agriculture assistance was rendered in making a survey of the milk supply of the town and many individual farm visits made to those dairy farmers requesting assistance. Meetings of the Reading Metropolitan Poultry Association were attended and cooperation and assistance rendered wherever possible.

County-wide meetings in poultry, fruit growing and market gardening have been available to the Reading people and many attended the county picnic held during the summer at Wayside Inn, Sudbury, Mass.

Respectfully submitted,

ROLLAND L. PERRY, Director.

REPORT OF BOARD OF ASSESSORS

To the Citizens of Reading:

We herewith submit our report on work under our jurisdiction during the year 1929:

Valuation of Taxable Real Estate:

Buildings, excluding land	\$10,264,625.00
Land, excluding buildings	3,904,020.00
	<hr/>
Total Taxable Real Estate	\$14,168,645.00
Taxable Personal Estate	1,057,474.00
	<hr/>
Total Taxable Real and Personal Estate assessed April 1, 1929	\$15,226,119.00
*Total valuation excise tax for 1929	1,017,730.00
	<hr/>
	\$16,243,849.00
Building increase over 1928	575,700.00
Land increase over 1928	129,165.00
	<hr/>
Total increase on Real Estate	\$ 704,865.00
*Decrease on Personal Property	515,871.00
	<hr/>
Total gain on taxable property	188,994.00

Tax on Real Estate	\$ 429,312.97
Tax on Personal Estate	32,042.02
Tax on Excise	30,178.79
Tax on Polls	5,690.00
Tax on Real Estate for Moth	919.75
Tax on Real Estate for Sewer	1,936.89
Tax on Real Estate for Curbing	24.79
	<hr/>
	\$ 500,105.21
Taxable Real Estate assessed December 1929	\$ 5,100.00
Additional Polls	22.06
Tax assessed as supplementary on Real Estate, December 1929	154.54
Total Taxable Personal Estate, 1929	1,057,474.00
Total Taxable Real Estate, 1929	14,173,745.00
Total Excise Tax, 1929	1,017,730.00
	<hr/>
	\$16,248,949.00
State Tax, 1929	\$ 18,020.00
State Highway Tax, 1929	1,584.45
Metropolitan Sewerage Tax, 1929	11,728.19
Metropolitan Sewerage Tax Special, 1929	84.00
Municipal Lighting Tax, 1929	146.28
Auditing Municipal Accounts Tax, 1929	1,871.79
Snow Removal Tax, 1929	157.79
Fire Prevention Tax, 1929	128.41
County Tax, 1929	20,503.98
County Tax, Special T. B., 1929	2,647.48
	<hr/>
Total State and County Tax, 1929	\$ 56,872.37
Total State and County Tax, 1928	55,587.14
	<hr/>
Increase over 1928	\$ 1,285.23
Amount appropriated for Town Purposes	\$ 541,267.95
Amount to be paid for State Taxes	56,872.37
Amount of Overlay	3,882.05
Amount of Overlay Deficit, 1927	22.62
	<hr/>
Total assessments, 1929	\$ 602,044.99
Less Estimated Receipts	\$110,000.00
Less Excise Tax	25,000.00
Less Polls 2845 @ \$2.00	5,690.00
	<hr/>
Amount to be raised	\$ 461,354.99
Tax Rate for 1929, \$30.30	

Number of persons, partnerships and corporations assessed April, 1929	2824
Number of persons assessed December, 1929	4
Total	2828
Number of automobiles assessed	3079
Number of separate assessments, 1929	5907
Number of polls, 1929	2856
Number of polls, 1928	2827
Increase in polls	29
Number of horses	95
Number of cows	179
Number of neat cattle	25
Number of swine	60
Number of dwelling houses	2347
Number of acres of land	5770
Value of Town property	\$ 1,365,010.00
Value of property exempt	526,385.00
Total non-taxable property	\$ 1,891,395.00
Total taxable property	16,248,949.00
Total valuation, 1929	\$18,140,344.00

Report of the Survey of Land Under the Block System

We have now completed 69 plans which contain 3,596 separate lots.

Appropriated, 1929	\$	500.00
Balance 1928		47.00
	\$	547.00

Expended

Davis & Abbott, correcting plans, 1929	\$ 52.00	
Davis & Abbott, 4 new plans	490.50	542.50
Balance	\$	4.50

We would advise that the sum of five hundred dollars be appropriated for the coming year that the work of the Block System be continued.

*Decrease in personal property is offset by Excise Tax value, with actual increase of \$502,859.

J. FRED RICHARDSON,
 GEORGE E. HORROCKS,
 ALVAH W. CLARK,
 Board of Assessors.

REPORT OF PUBLIC LIBRARY

The Trustees of the Public Library submit the following report for the year ended December 31, 1929:

Organization of the Board

The Board organized for the year by the election of Mr Mansfield as chairman and Miss Bancroft as secretary. Standing Committees were appointed as follows:

On Accounts: The Board of Trustees.

On Books: Mr. Mansfield, Miss Bancroft and Mrs. Lucas.

On Buildings and Grounds: Messrs. Keneely, Morton and Barclay.

On Work with Children: Miss Bancroft, Mrs. Lucas and Mr. Keneely.

Expenses of the Library

The condensed financial statement is as follows:

Appropriation, direct tax, 1929

Salaries	\$ 4,500.00
Maintenance	3,000.00

Total	\$ 7,500.00
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Other Income:

Refunds	1.60
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\$ 7,501.60

Expended

Salaries: Librarian, Assistants and Janitor	\$ 4,450.95
Books and periodicals, including rebinding	2,275.38
Printing, Stationery, etc.	151.15
Fuel, light, water, sewerage	381.62
Repairs and furnishings	57.16
Telephone	45.04
All other expenses	35.64

Total	\$ 7,396.94
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Balance unexpended:

On Salaries	49.05
On Maintenance	55.61

Total	\$ 7,501.60
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Receipts

Fines collected (for over detention of books)	\$ 396.08
Paid to Town Treasurer	396.08

Balance on hand December 31, 1929	0.00
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Statistics

Volumes in the Library December 31, 1928	14,866
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Volumes bought, including duplicates and replacements:

Adult non-fiction	237	648
Adult fiction	411	

Juvenile	244	
Juvenile non-fiction	197	441

Reference	18	1,107
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Received by gift, Mass.	11	
Received by gift, others.....	13	24

15,997

Withdrawn during year	411
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Total number of volumes, Dec. 31, 1929	15,586
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Circulation for home use, Adult	36,998
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Circulation for home use, Juvenile	18,824
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Total circulation for home use	55,822
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Decrease over previous year	824
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Largest monthly circulation, March	5,541
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Smallest monthly circulation, May	3,621
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New borrowers registered, Adult	323
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New borrowers registered, Juvenile	224
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Total	547
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Total borrowers registered since Jan. 1, 1925	3,933
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Number of days on which the Library was open	301
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Average daily circulation, Adult	123
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Average daily circulation, Juvenile	62
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Volumes deposited in schools	317
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The circulation for home use showed a slight decrease in 1929 as compared with 1928. It is not feasible to keep a record of the volumes used in the main and children's rooms. This usage however was very heavy and much in excess of other years. The following tables gives data pertaining to the Library for the past five years:

Year	Population April 1st	Volumes		No. of Days Lib. Open	Volumes In Lib.	Total Expendi- tures
		Borrowed	Home Use			
1925	8,693	46,520		252	13,170	\$5,528.94
1926		50,216		290	13,880	6,800.89
1927		52,768		291	14,339	7,188.58
1928		56,646		301	14,866	7,433.99
1929		55,822		301	15,586	7,396.94

During the past year the system of lending the books placed with the schools has been broadened so that the books are now available for home use. It is definitely known that this privilege is being used to a great extent and the children are reading these books at home. This circulation is not counted in the figures quoted as the Library circulation.

The cost per volume circulated in 1929 was 13.3 cents; the average for the last five years is 13.1 cents; circulation per capita in 1929 of 5.9 and cost per capita of about 78 cents. The last two figures are based on a population estimate of 9,500 .

The following is in part the report of the Librarian to the Trustees:

As shown above the circulation of books for home use shows a slight decrease compared with 1928. In 1918 and the years following the new building with its better location and facilities made for increase in use of the Library. Then came the opening of the Children's Room in the fall of 1926 and the same year increase in the hours of opening the Library. Later the age limit was lowered from ten to eight, then to any child who could read and write his name. In 1923 the limit in number of non-fiction taken by any borrower was removed and later two volumes of fiction also were allowed each person. In 1929 the only extension of library privileges was allowing non-residents to borrow books on the payment of \$2.00 a year, which was availed of by one person.

Annual reports were received from eleven neighboring libraries and our report was sent to them.

Mrs. Timlin, President of the Reading Society of Craftsmen, gave the Library three handsome shades for desk lights.

The Reading Grange gave ten dollars for additions to the Walter S. Parker collection in the Children's Room with which Webster's Collegiate Dictionary and Pratt's New Encyclopedia of music and musicians were purchased.

Through inter-library loans we borrowed during the year from
 Division of Public Libraries, 6 volumes
 Boston Public Library, 3 volumes

Brookline Library, 2 volumes
 Boston Medical Library, 1 volume
 Stoneham Library, 1 volume
 Wakefield Library, 1 volume
 Loaned Wakefield, 2 volumes

In the exhibition case last winter were shown old town reports, old books and old documents belonging to the Library. This fall the Art Committee of the Reading Woman's Club exhibited some Cole's engravings in November, and Madonnas in December.

The school children have earned 68 State five-book certificates which have been signed by the Librarian but have not yet been given them.

As usual we have loaned the schools over three hundred books for outside reading of which no record of circulation has been kept. Of the books reported withdrawn besides those worn out 115 were lost. Of these 44 were books loaned the schools and not returned in June 1928, but not reported lost last year hoping some might be recovered. In June 1929, 15 were not returned from school but 4 of these were paid for. Much better methods are now being used in caring for the books loaned the schools so it is anticipated that the loss through the schools will be very small when they come in at the end of the school year of 1929-30.

Only a few of the old books were reclassified this year as this work was interrupted by the enforced absence of the Librarian. While she was away the Library was most efficiently administered by the Assistant-Librarian, Miss Abbott.

Maintenance

The general condition of the Library property was such that no special maintenance expenditure was required during 1929.

Budget for 1930

In accordance with the requirements of the General Laws, Chapter 41, Section 59, the Board of Trustees of the Reading Public Library submit the following detailed estimates of the amounts necessary for the proper maintenance of the Public Library for this fiscal year 1930.

Fuel, Light, Water, Sewer Charge	\$ 450.00
Printing and Supplies	150.00
Books, Periodicals, Binding, etc.	2,000.00
Maintenance and Repairs	500.00
Miscellaneous Expenditures	100.00
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Total Maintenance	\$ 3,200.00

Salaries	\$ 4,800.00
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Total Appropriation Requested	\$ 8,000.00
As against an appropriation in 1929 of	\$ 7,500.00

The increase in the Maintenance Budget is for the installation of new and additional book stacks in the main library room. The shelf space is badly congested and it is necessary to increase the open shelf space at once. The Salary Budget is increased \$300.00, over the salary appropriation for 1929. The salary of the attendant of the children's room has been increased. The continued increased use of the library for reference purposes calls for additional hours of helpers. It is estimated that an income of about \$300.00 will be received during 1930 from the "Fine" account.

Miss Edith Bancroft submitted her resignation from the Board of Trustees at the October meeting; due to her removal from Reading. The Board accepted her resignation but with great regret. Her work and advice was of much value to the Library and the town has lost a most faithful and conscientious worker.

A joint meeting of the Selectmen and the Library Trustees was held on November 22, 1929, and Mrs. Jennie F. Weeks, 99 Summer Ave., was elected to fill the vacancy, caused by Miss Bancroft's resignation. This election holds until the next annual town meeting.

The faithful and efficient services of Miss Bertha L. Brown, Librarian; Miss Grace J. Abbott, Assistant Librarian; and M^{ss} Rebecca Turner, in charge of the Children's Room are herewith acknowledged by the Trustees.

The work of the assistants has been satisfactory and of the usual high standard.

Two vacancies in the Board of Trustees are to be filled at the annual town meeting, the terms of Mrs. Jennie F. Weeks and Arthur N. Mansfield, expiring.

ARTHUR N. MANSFIELD, Chairman,
RALPH S. KENEELY, Secretary,
JESSE W. MORTON,
HARRY J. BARCLAY,
IDA C. LUCAS,
JENNIE F. WEEKS,

Adopted as the report of the Trustees.

ANNUAL REPORT
OF THE
SCHOOL COMMITTEE
OF THE
TOWN OF READING, MASSACHUSETTS
For the year Ended December, 31
1929

ADMINISTRATIVE OFFICERS

School Committee

Carl M. Spencer, Ch., 119 Woburn St.	Term Expires 1930
Mrs. Marion B. Temple, 50 Hill Crest Rd.	Term Expires 1930
Mrs. Josephine L. Fowler, 65 Temple St.	Term Expires 1931
Arthur W. Coolidge, 136 Summer Ave.	Term Expires 1931
Harold A. Carnes, 39 Grand St.	Term Expires 1932
Logan R. Dickie, 56 Walnut St.	Term Expires 1932

School Committee Office

High School, Sanborn St. Telephone, Reading 0180
 (Open 8.30 a. m. to 4 p. m. except on Saturdays: 9 a. m. to 12 m.)

Supervisory Staff

Adelbert L. Safford, Superintendent, Office Hours: School Days, 9 to 9.30 a. m.

Margaret Hunt, Accountant and Order Clerk

Abigail H. Mingo, Sec. to Supt., Attendance Officer, Dean of Girls,
 Manager of School Lunches

Ida C. Lucas, Director of Research and Pupil Guidance and Promotions.

Verna L. Wadleigh, Testing and Statistics, Special Research

Charles R. Henderson, School Physician, Consultant in Athletics

Philip W. Althoff, Director of Physical Education, teaches in Junior
 High School

Mabel M. Brown, Director of Health in the Schools and Nurse

Dorothy C. Walker, School Nurse and Instructor in Nursing Technique

Mercie V. Nichols, Supervisor Drawing, teaches in Senior High School

Margaret Whittier, Supervisor Music, lower grades, teaches in Junior
 High School

Margaret Cameron, Supervisor Penmanship, lower grades, teaches in
 Junior High School

Clinics

Diphtheria Prevention, by special appointment

Tuberculosis Prevention, by special appointment

Pre-School, every Tuesday at 3 p. m., at the Grouard House

Dental, Wednesdays and Fridays at the Grouard House

Posture, first Monday of each month at the Grouard House

Habit, first Tuesday of each month at the Grouard House

No School Signals

Fire Alarm 2-2 repeated 3 times

Street Lights turned on for 5 minutes

7.30 a. m. for (Senior High School, Junior High School, Intermediate School [gr. 5 and 6], Opportunity School)

8.15 a. m. for Grades 1 to 4 inclusive, morning session

12.45 p. m. for Grades 1 to 4 inclusive, afternoon session

Dates for Opening and Closing of Schools and Vacations

1929-30		1930-31	
Open Sept 9	Close June 20	Open Sept. 8	Close June 19
Vacations: Dec. 20 to Jan. 2;		Vacations: Dec. 19 to Dec. 29	
wk. Feb. 23; wk. April 28;		wk. Feb. 23; April 27	
Holidays: Oct. 25; Nov. 11, 28,		Holidays: Oct. 13, 31; Nov. 11,	
29; May 30; June 17		27, 28; Jan. 1; April 20; June 17	

REPORT OF THE SCHOOL COMMITTEE, 1929

To the Citizens of Reading:

The School Committee submits its report for 1929. As the report is devoted largely to the discussion of expenditures and budget matters, and school property and equipment, your attention is particularly directed to the reports of the Superintendent and heads of departments for information about the education and health programs of our schools and our progress in these lines.

Approximately \$3500 of the 1929 appropriation remains in the town treasury unexpended. With minor exceptions, the amounts allowed for various expense accounts have been strictly adhered to and where overdrafts have occurred, they have been more than offset by savings. The largest unexpended balance, in the Gas and Electricity Account, was made possible by a reduction of the rate which occurred during the year.

The substantial appropriation for repairs and care of buildings and grounds has enabled us to complete many needed changes and improvements during the year.

The lunch room in the High School has been enlarged and improved. Space was gained by transferring the manual training class to the Highland School. New tables and stools were installed and the serving counter enlarged. With these improvements, our lunch facilities in the three schools where luncheons are served have been made

adequate and satisfactory for the proper handling of this service.

The floor of the first floor corridor in the High School, which has been giving trouble for many years, has been relaid.

Particular attention was paid to the grounds of the High School building, resulting in improvements in parking space, walks, and drives, re-seeding and re-planting of the lawn, and changes in the arrangement of shrubbery about the grounds. It was necessary to remove some trees in doing this work, but we are of the opinion that, on the whole, a marked improvement will result and that the appearance of the grounds will be better than before.

All wooden school buildings have been painted with the exception of the Chestnut Hill School. Modern toilets have been installed in the Highland School to replace those that were put in place there many years ago.

The installation of lockers in the corridors of the High School would provide a much needed facility and do away with coat rooms in the basement. The coat room space could be used to better advantage to improve the boys' toilets, shower baths, and equipment lockers.

The Committee is asking for an appropriation of \$5000 to lay the foundations for a playground on land adjoining the Junior High School to provide the needed facilities for out door physical education for the pupils of this school.

Our proposed budget also includes an item for the improvement of the grounds about the Highland School with respect to drives and planting as well as improvement of the play area. There have been substantial additions to the physical training apparatus during the year, and upon moving the High School class in manual training to the Highland School, new tools and machines were bought to the advantage both of the High School and the Highland classes.

An audiometer has been purchased for use in testing the hearing of the pupils. Defective hearing is a common cause of backwardness among school-children; by the use of the audiometer, the defect can be detected scientifically and remedial steps taken.

A sub-committee of the School Committee has been appointed to devote particular attention to the athletic activities of the High School. The present town athletic field is not suited to an extensive program of games and sports in which all pupils may participate, but it is hoped that the present equipment may be used to the best possible advantage under the supervision of an interested committee.

One of the pressing needs of all the schools in town is better playground facilities, and it is to be hoped that the time is not far distant when a comprehensive program of playground development may be undertaken with a view to overcoming the present deficiency.

Within a very few years we shall be faced with the necessity of

providing additional rooms for the elementary schools. This problem should be studied carefully, and, in our opinion, a survey of our conditions and requirements should be made under the direction of an expert consultant. We hope that the town may approve the appropriation necessary for such a survey, the amount of which we have included in our budget for 1930. This report would show where new elementary schools should be located and what sites were available for the purpose, with the expectation that the town might secure the sites while they are still available and not permit our growth in population and homes to continue without adequate provision for the school facilities which will surely be required. The playground situation should be included in this survey because it would be of little use to add to our school buildings without providing better playground facilities than we now enjoy.

The terms of Marion B. Temple and Carl M. Spencer expire at the annual town election.

JOSEPHINE L. FOWLER
MARION B. TEMPLE
HAROLD A. CARNES
ARTHUR W. COOLIDGE
LOGAN R. DICKIE
CARL M. SPENCER

School Committee.

REPORT OF THE SUPERINTENDENT OF SCHOOLS, 1929

To the Honorable, the School Committee, of Reading, Massachusetts:

I submit herewith my seventeenth annual report, the thirty-seventh annual report of the Superintendent of the Reading Public Schools.

During the year nineteen hundred and twenty-nine the same policies of progressive adaptation of education to the needs of each individual pupil as these needs appear have been in operation without radical changes or interruptions. New demands on the schools necessitate new procedures in order to fulfil them. A recent bulletin of the National Education Association lists sixty-seven notable achievements, inventions, or discoveries made since 1890 that are "as amazing as Aladdin secured by rubbing his copper lamp." The need is "for a curriculum suitable for a rapidly changing civilization with large social, spiritual, and industrial values, and sufficiently differentiated to meet the needs of adolescent youth with varying levels of ability, social

and economic backgrounds, and hopes for the future." That the necessity for more education to meet the growing complexity of living is recognized by parents and by governing officials is shown in the rapid increase of public high schools in the United States. In 1890, 1.6 per cent of the total enrolment of all public schools were in high schools; in 1926 there were 15.2 per cent. In 1890 there were 201,802 pupils enrolled in public high schools; in 1926 there were 3,065,009 pupils enrolled: more than fifteen times as many as in 1890. In private secondary schools there were 248,076 enrolled in 1926 against 94,931 in 1890, an increase of a little more than two and one-half times. New demands upon the schools have manifested themselves in many other directions besides increase in High School enrolment. Bulletin, 1929, No. 16 of the U. S. Bureau of Education prepared by W. S. Deffenbaugh, Chief of City Schools Division, describes "Significant Movements in City School Systems" under nine headings: Administration, Teachers, Length of School, Curriculum and Articulation, Experimental Research, Individual Instruction, Safety Education, Visual Instruction, The Platoon School, and The Visiting Teacher. It is of interest to check up the status of the Reading Schools with respect to the progressive practices commended in this survey.

1. Administration: The report says: "In organization of the School Committee, the movement to reduce the number of standing sub-committees or to abolish them altogether continues; no sub-committee should have executive duties." The Michigan school laws codified in 1927 are especially commended. The main features for the smaller cities are:

1. The board of education is composed of seven members elected at large for a term of four years.

2. The board of education has large powers, including the right to determine the amount of taxes necessary; to borrow money, to purchase sites for buildings, etc., and to erect buildings; and to issue bonds not to exceed 2 per cent of the assessed valuation of the district.

3. The superintendent of schools is made the legal executive of the board of education, his powers and duties being:

- (1) To put into practice the educational policies of the State and of the board of education in accordance with the method provided by the board of education;

- (2) To recommend in writing all teachers necessary for the schools and to suspend any teacher for cause until the board of education may consider such suspension;

- (3) To classify and control the promotion of pupils;

- (4) To recommend to the board the best methods of arranging the course of study and the proper textbooks to be used;

- (5) To make reports in writing to the board of education and to the state superintendent of public instruction annually or oftener

if required; in regard to all matters pertaining to the educational interests of the district;

(6) To supervise and direct the work of the teachers and other employees of the board of education;

(7) To assist the board in all matters pertaining to the general welfare of the school, and to perform such other duties as the board may determine.

The practice of the Reading School Committee is, with variations in non-essentials, in accord with the provisions of the Michigan law and the recommendations of the Bureau of Education, except in matters of fiscal control.

2. Teachers: The tendency to raise the standards of preparation of teachers of elementary schools from two years to three or four years beyond high school, of Junior High Schools to college graduation, and of Senior High Schools to more professional preparation is noted. Reading is keeping pace with this movement. The bulletin says, "The single salary schedule for all grades, primary to high school, has been adopted in many cities as a means of obtaining better prepared teachers for elementary-school grades and in recognition of the fact that the work of the elementary-school teachers is just as important and just as exacting as the work of the high school teacher." Reading has not adopted that principle yet although some neighboring cities and towns — notably Stoneham — have done so. The maximum salary in Reading for women in grades 1-6 is \$1,500, in Junior High School, \$1,700, and in the Senior High School, \$1,900. The School Committee reserves the right, however, to go above these limits in any individual case that seems to require it.

3. Length of School: The survey states: "The number of days that the schools are in session in a year has been gradually increased but comparatively few city schools are in session more than 185 or 190 days. A longer school term has been advocated by superintendents and other persons interested in education. A very few cities now have all-year schools, usually divided into four terms of 12 weeks each." Reading has between 180 and 185 days without any summer schools or evening schools such as are maintained in some neighboring towns.

The School Day — The bulletin says: "The tendency is towards a longer school day. The modern progressive school, even though it is in session six hours a day, so balances its program of study and various special activities that the school should be a perfectly natural place for children to live." Reading has had the longer school day in the Junior and Senior High Schools since September 1915 and in the Intermediate School (grades 5 and 6) since its organization in September 1927. The school system consists of Primary, grades 1 to 4, having two sessions: 9 to 11.45 a. m. and 1.30 to 3.30 p. m.; Intermediate, grades 5 and 6, one session: 8.30 to 2.30; Junior High, grades 7, 8, and 9,

one session: 8.15 to 2.30; Senior High, grades 10, 11, 12, one session: 8.15 to 2.30.

4. Curriculum and Articulation: The Bulletin says: "Revision of the Elementary, Junior High, and Senior High school curricula has been going on apace. Most of the larger cities and many of the smaller ones report that their curricula are under constant revision. So rapidly have conditions changed and so much is being discovered about what should be included in a curriculum that the school system that is not revising its courses continuously cannot hope to keep pace with the demands of a rapidly changing civilization."

Dr. Wm. John Cooper, United States Commissioner of Education, in a recent address said: "The nineteenth century closed upon an American High School which was primarily a class institution, giving itself chiefly to the needs of 8 to 10 per cent of the population from which it is expected our leadership would come. Since the close of the great war high-school enrolment has gone upward so rapidly it has been impossible to house adequately those who clamor for entrance. American public opinion has spoken in no uncertain tones. It desires an institution of secondary school grade to minister to all American children, not to a small group of leaders alone." "These are some of the changes which must come to pass if America's great social experiment is to succeed: The failure of a pupil must be considered first of all a failure on the part of the school. Consequently much study of pupil capacities and interests is involved. New devices for pupil adjustment need to be perfected. New curriculum materials will be required, considered from such points of view as effective citizenship, wise parenthood, rich use of leisure, conservation of physical and mental vigor. Mental Hygiene will take fully as large a place in the school as bodily hygiene. In the secondary school of tomorrow will be trained psychologists and psychiatrists ready to help young folks to live normally. There will be various types of secondary school units depending upon the size of the community, diversity of population, and the supporting wealth. The educational system will adapt itself to the needs and conditions of the pupil rather than compel the pupil to conform to a rigid system designed for the average. The full-time pupil will be no more important to such a school than the part-time student employed in the factory. The pupils whose financial status or whose peculiar capacities make full-time wage-earning employment necessary or desirable will have the service of the school in directing their health activities, both physical and mental, in suggesting courses for reading, in guidance and in placement."

Inseparably connected with Curriculum Adjustment to individual needs is **5. "Experimental Research"** of which the bulletin says in part: "The great progress made in the city schools of the country within the past ten years has without doubt been due to the fact that educational

problems have been attacked more scientifically. Now that it is possible to test the results of experiments, educational research should be directed more and more to experimental work. Among many experiments that are reported by city school superintendents in the smaller cities are those relating to individual instruction plans, ability grouping, health of school children, size of class, supervised study, length of recitation periods, character education, school government and discipline, special classes and platoon plan."

The Reading Department of Research and Guidance was organized with a trained psychologist in 1920 although some scientific testing and research was done prior to that time by Mrs. Beatrice Cahill, author of "Pupil Guidance", and by other students from Boston University or from Harvard University. Of the ten topics mentioned in the preceding paragraph all have received attention, some of them continuously. One of these topics, "**Individual Instruction,**" receives special treatment in the bulletin which says in part: "The movement to adapt the work of the school to the ability and the needs of the individual pupil continues. That children differ in ability has long been known, but since means have been devised for measuring the comparative abilities of school children, the need of fitting the school to the individual child has become more apparent. Among the plans for making better provisions for the individual are ability grouping, the Winnetka and Dalton plans, and the Miller and Morrison contract plans. In addition to the foregoing plans for providing for individual differences, the following may be mentioned: coaching laggards, special classes, supervised study, differentiated curricula, differentiated assignments, and intensive study of problem cases." All of these methods of adjustment to individual difference are well organized and carried on scientifically in the Reading schools. The bulletin well says: "However sound a theory may be, it is of no value until it is put into successful operation. There are many apparently good educational theories but how to put them into operation is the difficult problem." Reading schools have attempted by scientific research to set up and put into operation the mechanisms and procedures to enable each pupil to attain the seven main objectives of education: 1. Health, 2. Command of fundamental processes, 3. Worthy home-membership, 4. Vocation, 5. Citizenship, 6. Worthy use of leisure, 7. Ethical character.

It may be said with assurance that in Reading "revision of the school curricula has been going on apace." In the effort to develop a curriculum and the concomitant educational procedures that will enable the school "to minister to **all** American children," our department of curriculum research and guidance has developed a plan whereby pupils are not compelled to repeat a grade if retarded or skip a grade if accelerated. Four, five, six, seven, or eight years may be taken to complete the grades 1-6. In grade one the pupil's introduction to learning-

to-read gives scope to individualized purposeful activity, independent of any other pupil's action or progress. For several years in the Junior High School and more recently in the Intermediate School, grades 5 and 6, a plan of individual assignments in place of class assignments has been in operation. The Reading plan is a combination and an adaptation of the Winnetka, Dalton, and Miller plans. The Miller plan provides a curriculum on three levels: the lowest level represents the minimum essentials of tool knowledge which everyone must master who is to be advanced as a satisfactory student; the next higher curriculum level is an enrichment by a more extended and thorough treatment of the topic under consideration and is correspondingly more difficult and requires more ability on the part of the pupil; the highest curriculum level is concerned with a creative use of the knowledge gained and applied to problems, projects, or research carried on by the pupil more or less on his own initiative. The pupil is required to do only the lowest level in order to pass but the opportunity to do the higher levels is open to all and they are encouraged to meet the challenge. This plan has many advantages over fixed assignments for each ability level as at Trinidad, Colorado. The three-level individual assignment is a mechanism to adjust the curriculum to the individual's abilities to learn, both with respect to rate of progress and with respect to degrees of difficulty and scope of the tasks that may be successfully mastered. It aims, on the one hand, to afford the opportunity and the stimulus for the supernormal pupil to extend himself to the optimum of his abilities and feel the "joy" of his "activities in full expansion," and on the other hand to provide for the less gifted and for the sub-normal pupil a continuity of personal development through the successful accomplishment of tasks suited to particular needs, interest and capacities. By such individual adjustments, the pupil's school activities may be uniformly productive of the stimulus of success, become an integral and formative part of the experience of reality and be definitely lined up and integrated with the contacts with life outside of school: in the home, the neighborhood, and the community in which he plays his part. Such a wholeness of experience is very important for the pupil's development and success in life. Joseph K. Hart in a recent book, "A Social Interpretation of Education" says: "The problem of education is the problem of community-making in the most fundamental sense of the term. The problem of the school is merely a chapter in that more inclusive problem. An unrelated school — a school that unacquainted with or indifferent to the world within which it is attempting to operate, the world from which the pupils come each morning and to which they must go back evenings — such a school is an impertinence."

There are many features of the Reading schools that have been devised to help the pupil to understand his relations to the community

life and to understand and enter into those experiences that constitute a successful and satisfactory social integration. Team-work, playing the game according to the rules, and maintaining the attitude and the behavior of a gentleman and good sport whether one wins or loses are all turned to account in building up a standard of life.

6. Safety Education: The bulletin says: "Many cities have prepared courses of study in safety education. Most of these courses are not confined to teaching children how to avoid street accidents but treat safety in its broader sense of protection to life and health not only as an individual but as a community matter." Systematic work in safety education is carried on in all of the Reading schools under the supervision of the Director of Health. Besides instruction by teachers and other school officials, assistance has been given by bulletins, posters, and outlines of courses of instruction furnished by the National Safety Council and the Massachusetts Safety Council. The latter has provided lectures to teachers on methods of instructing pupils and to the pupils themselves. Some of these lectures have been illustrated by moving pictures or lantern slides.

7. Visual Instruction: The bulletin says: "Visual instruction is today one of the most discussed methods of teaching. Visual instruction involves such visual aids as maps, charts, graphs, models, exhibits, flat pictures, stereographs, and stereoptican slides. All of these are receiving attention as never before, but the chief experiments and chief interest in visual instruction are at present centered around the moving picture." "Judging from general interest in visual instruction and from the results reported, it is safe to predict that within a few years teaching films as well as other visual aids will be considered as necessary as are text books, maps, and dictionaries."

Reading schools have one moving-picture machine and six lanterns for projection of pictures. There is a modest equipment of the other visual aids mentioned. Much more equipment of this nature could be used to advantage.

8. The Platoon School: The bulletin says: "The movement to organize platoon or work-study-play schools has within recent years been rapidly going forward. School buildings that have gymnasiums, auditoriums, workrooms, and playgrounds will, when organized on the platoon plan, accomodate about one-third more children than when organized on the non-platoon plan." The Highland School was organized on the platoon plan following Gary, Indiana, with minor modifications in 1915 and has continued on that plan since. The Junior High School building was built for the platoon plan as carried on in Detroit and elsewhere.

9. The Visiting Teacher: The bulletin states the numbers of visiting teachers are increasing. The purpose of the visiting teacher is to confer with parents and secure their cooperation in the education

of the child. When the Reading department of Research and Guidance was established in 1920 it was arranged that the director should function as a visiting teacher in matters pertaining to her department, chiefly the pupil's progress in the school studies. Later the school nurse, now the Director of Health, took up the duties of visiting teaching in matters of health. The male truant officer was replaced by a woman, a college graduate and student of social welfare methods. She became in effect a visiting teacher with the title of attendance officer but covered the whole field of children's behavior in collaboration with the principals of the schools on one side and the parents of the delinquent children on the other. The bulletin reports that Peoria, Illinois, has a visiting teacher as attendance officer and says, "A school that handles its attendance work in this manner is keeping step with the best in educational progress."

Supervisory Staff

The personnel of the supervisory staff of the schools has continued without change through the year 1929, except that the Supervisor of Drawing, Miss M. Adeline Lahaise, who accepted a position in New York at an increased salary, was succeeded by Miss Mercie V. Nichols and Mrs. Dorothy C. Walker was employed as an additional school nurse. Miss Mabel M. Brown was made Director of Health and Mr. Philip W. Althoff, Director of Physical Education. These two appointments merely enlarged the scope of work of persons already on the staff. The six clinics carried on in connection with the schools, — Diphtheria prevention, Tuberculosis prevention, Pre-School, Dental, Habit (psychiatric), and Posture clinic — have all functioned efficiently. The organization of the orthopedic work of the Posture Clinic and the remedial measures employed have been gradually systematized. A nurse and physical training teacher are in attendance at each clinic and the doctor's diagnosis and direction for corrective procedures are passed on to the physical training teachers of the several schools. The The Silhouettograph is used to show faulty posture. The outstanding deficiencies in our Physical Education program are lack of sufficient supervised playgrounds for the younger children, an adequate athletic field for the athletic teams of older pupils and of adults, and the absence of any pool of water available for learning to swim.

Senior High School

The Senior High School has an excellent record for the past year in the success of the pupils in all departments. Notwithstanding the increasing severity of college entrance requirements pupils that have done their work satisfactorily in high school have been able to gain admittance to Harvard, Dartmouth, Massachusetts Institute of Technology, Radcliffe, Smith, Wellesley, and any other college to which

they have applied. They have generally been successful in doing their first year's work after being admitted. The principal has suggested that in view of the more exacting requirements, the college-preparatory course should be made regularly four years. At present some pupils get this by returning for a post graduate year. Probably many pupils would profit by devoting a longer time to drawing, design and art crafts, and to manual training, cooking and sewing. This would require additional teachers as the present corps is fully occupied. Only two periods a week are allowed each pupil for physical education and no special time is assigned to health teaching. If three periods a week were provided in the Senior High School as is done in the Junior High School two periods could be devoted to activities and one period to class-room instruction in health knowledge. The principal has also called attention to the desirability of a librarian and the better organization for giving pupils access to the reference books belonging to the school. Many schools of this size have librarians and a substantial collection of books. Some schools combine the work of librarian with coaching backward pupils. There is need of providing better facilities for the "Opportunity Group" who cannot come up to all the standards of regular high school courses but nevertheless can gain much practical knowledge on the high school level.

Junior High School

This is the beginning of the third year of the Junior High School in the new building with a year added to its curriculum. It has taken time to effect so fundamental a re-organization and perfect the details of the best procedures to attain its ends. This year has been devoted largely to efforts to perfect the organization and procedure without undertaking any innovations. In general the improvement is evident in all departments. Outdoor playgrounds are the outstanding need for development. A portion of the lawn was taken for outdoor work for the girls and the parking area has been used for the boys. The turf on the lawn is not yet firm enough to withstand continued use.

The Highland School

The playground of this school has needed attention for some time and in general the whole of the grounds about this building should be fixed up. The principal has called attention to the need of another teacher in the Intermediate School, grades 5 and 6, and also to the large numbers in the primary rooms. In general the primary rooms have too many pupils everywhere in Reading except at the Chestnut Hill School.

This fact together with the condition at the new Junior High School which has every class-room occupied and even the library diverted to the use of the classes in business practice indicates clearly

that more school rooms must be provided in the near future. It is none too soon to undertake a careful survey of present and probable future needs in school buildings.

Changes in Personnel

We have had comparatively few changes in the teaching staff. **One high school teacher** has been absent all the year on sick leave. Four others have resigned to accept positions elsewhere. One in the Intermediate School retired from teaching. Two primary teachers and one teacher of an Opportunity Class resigned to go elsewhere.

Pupil teachers from the Salem Normal School have been in attendance for ten-week periods of practice teaching. As pointed out in the report of the Principal of the Highland and Central Primary Schools, the pupil teachers are of considerable advantage to the schools in several respects.

Special Reports

The several reports from the Supervisors and Principals contain much information of importance for an understanding and appreciation of the work that is being carried on in the schools. I commend them to your consideration.

I wish to thank the corps of teachers for their earnest efforts in behalf of the children and their cordial attitude of cooperation with the supervisory staff. I thank the School Committee for their courteous consideration and good will and their helpful direction in my administrative duties.

Respectfully submitted,

ADELBERT L. SAFFORD,
Superintendent.

TEACHERS IN SERVICE, DEC. 31, 1929, WHERE EDUCATED, YEAR APPOINTED
ALSO ENROLLMENT FOR FOUR MONTHS ENDING DEC. 31, 1929

SCHOOL	GRADES OR SUBJECT	NAMES OF TEACHERS	GRADUATE OF	Year Appointed	Salary	Total Enrollment	Average Membership	Average Attendance	Per cent of Attendance
Senior High....	Principal.....	Rudolf Sussmann.....	*Conn. Ag. Col. B. S. Ag., B. U. B. S. in Ed.	1917	\$3400	436	425.41	400.58	94.16
	Phys. Ed. Boys, Mat.	Joseph A. Aldred.....	*Bowdoin B. S.	1925	2500				
	English.....	Josephine M. Barlow.....	*Mt. Holyoke A. B.	1928	1900				
	Com'l English.....	Elizabeth A. Hatchelder.....	*Salem Normal Boston Univ. B. S. in Ed.	1915	1900				
	Manual Arts.....	Alfred Boehm.....	*Trade School, Hamburg, Germany	1920	2500				
	English.....	Clarissa I. Brown.....	*Gorham Normal, B. U. B. S. in Ed.	1924	1800				
	Sten. & Type.....	Priscilla Bullukian.....	*Boston Univ. B. S.	1929	Sub.				
	Sten. & Type.....	Elva A. Buckley.....	*Bay Path Inst., Boston Univ. B. B. A.	1924	1900				
	French.....	Marie L. Day.....	*Radcliffe A. B.	1929	1300				
	German, Geometry	Elizabeth Dunning.....	*Mt. Holyoke A. B.	1928	1800				
	Bk'g, Pen.	Albert F. Drury.....	*Salem Normal & Posse Normal	1917	1900				
	English.....	Helen M. England.....	*Radcliffe A. B. M. A.	1929	1300				
	History.....	Charles M. Gates.....	*Yale A. B., Harvard A. M.	1928	1800				
	Com. Geog., Occu.	Charles Guarnaccia.....	*Boston Univ. B. B. A.	1928	1700				
	Sten. & Type.....	*E. Frances Greenhalgh.....	*Bay Path Inst., Wilmantic Nor.	1914	1900				
	Mathematics.....	Luke Halpin.....	*Bowdoin A. B.	1922	2500				
	Phys. Ed. Girls.....	Florence G. Nichols.....	*Sargent	1929	1800				
	Chemistry, Phys.	Frederick J. Pope.....	*Colby B. S., Harvard Ed. M.	1922	2500				
	Music.....	Douglas A. Forel.....	*Boston Univ. Music Supervisor's Course	1929	700				
	French.....	Marian T. Pratt.....	*Wellesley B. A.	1919	1900				
	Latin.....	Mildred B. Sussmann.....	*Radcliffe A. B.	1919	1900				
	Biol., Hist., Alg.	Ellen S. Wright.....	*Mt. Holyoke A. B.	1926	1600				
	Agriculture.....	Herman P. Wheeler.....	*Mass. Agric. College B. S. C.	1924	2400				
W. S. Parker Junior High	Secretary.....	Myrtle W. Tilton.....		1923	3600				
	Principal.....	Raymond W. Blaisdell.....	*Bates A. B.	1927	2400				
	Phys. Ed.	Philip W. Althoff.....	*Springfield Col. B. P. E.	1927	2400				
	Mathematics.....	George D. Anderson.....	*M. I. T., 2 yrs., Boston Univ., 1 1/2 yrs.	1926	2200	29	28.12	27.21	96.93
	French.....	Ramona Bell.....	*Mt. Ida	1924	1700	31	31.44	28.93	92.11
	Soc. Stu. Guid.	Carl W. Belmore.....	*Bates A. B.	1927	2500				
	Foods, Homemak'g	Harriet S. Burr.....	*Simmons B. S.	1929	2000				
	Penmanship.....	Margaret Cameron.....	*Salem Nor., Zanez Blosser Col. of Penn.	1927	1700				
	Science Guid.	Marian D. Day.....	*Beverly High	1924	1800				
	Practical Arts.....	George R. Draper.....	*Fitchburg Normal	1927	2300	29	29	26.19	90.33
	Drawing.....	Eleanor F. Emerson.....	*Salem Normal	1915	1700	31	30.15	28.23	93.63
	Woodworking.....	Lynan E. Fancy.....	*Mass. Normal Arts	1918	2300				
	Social Studies.....	Lestina M. Goddard.....	*Gorham Normal	1920	1700	34	33.29	31.53	94.76
	Soc. Stud. Guid.	Grace M. Harriman.....	*Radcliffe A. B., Harvard Ed. M.	1928	1900				
	General Science.....	Gladya Henderson.....	*Salem Normal	1928	1200	28	27.7	26.5	95.7
	Sewing.....	Rita Lahaise.....	*Roxbury High	1921	1700				

TEACHERS IN SERVICE, DEC. 31, 1929, WHERE EDUCATED, YEAR APPOINTED ALSO ENROLLMENT FOR FOUR MONTHS ENDING DEC. 31, 1929

SCHOOL	GRADES OR SUBJECT	NAMES OF TEACHERS	GRADUATE OF	Year Appointed	Salary	Total Enrollment	Average Membership	Average Attendance	Percent of Attendance
Highland Grades 5 & 6	Mathematics.....	Inez H. Lewis.....	*Gorham Normal.....	1923	\$1700	34	32.85	31.10	94.66
	Soc. Studies.....	Louise B. Maxwell.....	*Bridgewater Normal.....	1920	1700	34	31.50	29.99	95.14
	English.....	Ruth A. Maxwell.....	*Bates.....	1929	1700	31	35	21.84	93.69
	Mathematics.....	Emma S. Page.....	*N. H. State Normal.....	1899	1900	35	35	33.84	96.55
	English.....	Claudia Perry.....	*Radcliffe A. B.....	1928	1400	30	29.54	22.88	94.3
	English.....	Dorothy Randall.....	*Radcliffe A. B.....	1929	1700	30	29.54	22.9	89.26
	(ppor. Classes.....	Anna M. Peck.....	*Radcliffe A. B.....	1927	1800	27	25.7	22.9	89.26
	Mathematics.....	William A. Rich.....	*Salem Normal.....	1928	1500	31	31	29.88	95.64
	French.....	Carmen Simon.....	*Boston Univ. A. B. & A. M.....	1928	1800	32	32	31.06	94.48
	English.....	Helen M. Thompson.....	*Wheaton A. B.....	1928	1700	33	33	31.47	95.42
	Phys. Ed.....	Margaret E. Tyacke.....	*Girls High & Latin, Harvard S. Sch.....	1926	1700	33	34	32.51	95.49
	Bus. Prac. & Type.....	Ethel S. Williams.....	*Salem Normal.....	1922	1700	32	31.25	29	92.8
	Secretary.....	Doris Skinner.....							
	Clerk.....	Esther Downs.....							
	Prin. High, Cen., Un.....	M. Grace Wakefield.....	*Salem Normal.....	1890	2400	38	36.81	35.11	95.39
	Mus., Hygiene, Pen.....	Doris Bauer.....	Salem Normal.....	1929	1000	38	36.81	35.11	95.39
	Phys. Ed., Hygiene.....	Marjorie Buckle.....	*Posse Nissen.....	1927	1200	46	44.55	42.63	95.50
	Arith., Geog.....	Annie Louise Fogg.....	*Colby College, 2 yrs.....	1919	1500	47	46.55	45.15	97.18
	Geo., Draw., Pen.....	Matilda J. Gamble.....	*Woburn High.....	1920	1500	48	44.51	43.09	96.76
	Hist., Read., Spell.....	Carolyn C. Grace.....	*No. Adams, Concord Bus. Col.....	1919	1500	35	28.72	26.03	90.20
	Language, Science.....	Florence A. Potter.....	*Plymouth, N. H., Normal.....	1925	1500	48	41.97	40.54	96.59
	Draw., Read., Lang.....	Annie W. Quillen.....	*Salem Normal.....	1916	1500	48	47.19	44.87	95.05
	Arith., Music.....	Eva C. Wilcox.....	*N. S. Provincial Normal.....	1927	1500	45	44.22	41.92	94.82
	Grade 1.....	Winifred Cochrane.....	*Plymouth, N. H., Normal.....	1919	1500	23	21.59	19.63	89.99
	Grade 2.....	Halden L. Daniels.....	Salem Normal.....	1927	1200	17	15.55	14.62	93.85
	Grade 3.....	Beatrice Bryden.....				29	27.69	26.07	94.16
	Grade 4.....					20	20	18.86	94.30
	Secretary.....								
Opportunity...	Lower.....	Marian F. Richner.....	*Lowell Normal.....	1929	1500	14	12.73	11.81	92.83
	Upper.....	Dorothy Allard.....	*Salem Normal.....	1927	1300	15	13.12	12.05	91.84
Center Street..	Grade 4.....	Vera Buckle.....	*Boston Univ. A. B.....	1915	1500	43	42.33	40.27	95.04
	Grade 4.....	Alberta Mathieson.....	Salem Normal.....	1924	1500	45	43.53	41.38	94.98
	Grade 3.....	Norma Perkins.....	Salem Normal.....	1928	1100	41	38.66	36.39	92.43
	Grade 3.....	Genevieve W. Quinlan.....	*Salem Normal.....	1921	1500	45	43.03	40.96	95.23
	Grade 3.....	Isabel L. Winchester.....	*Salem Normal.....	1928	1100	44	42.02	39.88	94.91

Union Street...	Grades 1 & 1½...	Addie A. Copeland...	*Dover, N. H., High...	1925	\$1500	23	22.05	20.08
	Grade 1.....	Alice D. Berry.....	*Bridgewater Normal.....	1927	1400	34	32.03	30.09
	Grade 2.....	Glenna Dow.....	*Caribou, Me., High, Hyannis, Summer.	1919	1500	46	44.15	41.86
	Grade 1.....	Margaret Morgan.....	Salem Normal.....	1929	1000	30	28.35	26.41
Lowell Street..	Prin. & Grade 3...	Nellie P. Beaton.....	*Danvers High.....	1920	1700	8	6.66	6.32
	Grade 4.....	"	"			35	33.48	32.17
	Grade 1.....	Dorothy L. Burgess.....	*Lesley Normal.....	1926	1300	47	41.45	37.93
	Grade 2.....	Doris R. Cleary.....	Salem Normal.....	1927	1200	29	28.32	25.92
	Grade 2.....	"	"			15	14.24	13.33
	Grade 3.....	Martha Kenefick.....	*Framingham Normal.....	1929	1300	16	15	13.71
	Grade 3.....	"	"			27	20.34	23.55
Prospect Street.	Prin. & Grade 2...	Ada E. Dow.....	*Caribou High.....	1908	1700	14	14	13.13
	Grade 3.....	"	"			31	29.8	28.5
	Grade 2.....	Jessie Little.....	Bridgewater Normal.....	1926	1300	38	32.46	35.42
	Grade 1.....	Velma Herrick.....	*Perry Normal.....	1927	1300	44	42.13	35.50
	Grade 3.....	Olive S. Perry.....	*Wheelock.....	1916	1500	17	14.60	13.26
	Grade 4.....	"	"			31	30.81	28.96
Chestnut Hill..	Prin. & Grade 1...	Irene Richardson.....	*Aroostook State Normal.....	1928	1600	9	9	8.70
	Grade 2.....	"	"			19	17.42	16.36
	Grade 3.....	A. Louise Richardson..	Lesley Normal.....	1928	1100	12	11.97	11.53
	Grade 4.....	"	"			5	5	4.83
Totals.....				2191	2098.89	1989.46	94.4	

* Have taken additional courses in education and graduate work.

† On sick leave.

BUDGET SCHOOL DEPARTMENT, TOWN OF READING, 1929

1930 Estimated Appropriation	Expended 1929	Expended 1928	Expended 1927
GENERAL ACCOUNT: SALARIES			
1. Salaries—Teachers and Supt.	\$151,553.81	\$146,936.05	\$136,060.73
2. Janitors	15,952.50	15,952.36	11,546.50
3. Other Salaries:			
Attendance Officer	500.00	500.00	500.00
Medical Inspector	1,000.00	1,000.00	1,000.00
School Nurse	2,420.00	1,900.00	1,780.00
Total Salaries	\$171,426.31	\$166,288.41	\$150,887.23
4. Transportation of Pupils	6,120.62	5,393.50	5,105.00
5. School Tuition	169.14	158.57	
6. Books	5,025.10	4,854.28	5,319.72
7. Supplies for Pupils	6,364.39	6,191.17	7,009.86
8. Apparatus for Teaching	2,642.51	2,909.06	681.22
9. General Expense:			
Printing and Advertising	151.75	348.61	601.87
Office Supplies	589.61	614.95	571.03
Telephones	744.23	761.71	774.46
Graduation	213.26	245.55	151.08
Supt's Expense	49.91	42.50	
Lectures, Public Meetings		3.00	11.00
Insurance	31.57	32.24	65.05
Supervisor's Expense	629.56	380.86	173.64
	\$ 2,409.89	\$ 2,429.42	\$ 2,348.13

\$ 7,000.00	10. Fuel	\$ 8,000.00	\$ 7,722.28	\$ 8,200.31
2,400.00	11. Building Maintenance	2,368.71	3,258.19	1,881.91
2,000.00	Gas and Electricity	1,968.95	2,265.55	1,352.90
600.00	Water and Sewer	596.40	526.50	613.57
2,300.00	Trucking, etc.	2,279.28	2,228.40	1,923.17
	Janitors' Supplies			
20,000.00	12. Maintenance and Improvements	10,709.35	6,716.04	6,288.98
	Buildings	987.26	711.72	532.93
	Furniture	3,670.76	2,326.89	1,332.50
	Grounds			
58,250.00	TOTAL FOR MAINTENANCE	\$ 15,367.37	\$ 9,754.65	\$ 8,154.41
	TOTAL EXPENDITURES—General	\$ 53,312.36	\$ 47,691.57	\$ 42,590.20
		\$224,738.67	\$213,979.98	\$193,477.43
	Receipts not from tax levy:			
	State Reimbursement, Chap. 70, G. L.	\$ 15,490.00	\$ 14,760.00	\$ 13,425.00
	Tuition, etc.	14,327.48	9,289.75	11,599.21
	Sundry Receipts	91.37		
	Due, but not paid (tuition)	4,207.58	4,719.06	823.77

BUDGET SCHOOL DEPARTMENT, (Continued)

1930 Estimated Appropriation		Expended 1929	Expended 1928	Expended 1927
	AGRICULTURAL ACCOUNT:			
\$ 2,800.00	1. Teachers, Supt's and Janitors' Salaries	\$ 2,634.86	\$ 2,379.34	\$ 2,619.99
	Smith-Hughes' Fund	161.78	197.98	313.29
300.00	2. Light, Fuel, Repairs			311.22
	3. Books, Apparatus, Supplies	147.35	56.34	188.78
	Receipts not from tax levy:			\$ 3,119.99
	State Aid to Industrial School	\$ 1,136.46	\$ 1,122.82	\$ 1,172.35
	Smith-Hughes' Fund	176.68	161.78	197.98
	Tuition	749.24	646.73	456.71
	Due, but not paid	247.08	186.33	25.58
600.00	INDUSTRIAL TUITION			
	Tuition paid	\$ 582.98	\$ 294.75	\$ 338.94
	Reimbursement from State	160.58	136.66	398.58

**DETAIL OF EXPENDITURES OF SCHOOL DEPARTMENT FOR
YEAR ENDING DEC. 31, 1929**

Transportation:

Eastern Mass. Street Railway Co.	\$	30.00	
James Mason		6,079.82	
Frank H. Powell		10.80	
			\$ 6,120.62

Tuition:

Middlesex County	\$	169.14	
			\$ 169.14

Books:

Allyn & Bacon	\$	272.07
American Book Co.		97.40
American Educ. Press, Inc.		16.90
O. L. Angevine		2.80
D. Appleton & Co.		24.96
Arlo Publishing Co.		2.55
The Athletic Supply Co., Inc.		4.00
Jos. E. Avent		13.36
Edward E. Babb & Co.		243.43
F. J. Barnard Co.		741.83
A. S. Barnes & Co.		8.73
Beckley Cardy Co.		69.99
C. C. Birchard & Co.		55.56
The Bobbs Merrill Co.		1.76
Bookshop for Boys and Girls		11.00
Milton Bradley Co.		7.38
Robert Paris Carroll		2.50
The Century Co.		6.56
College Entrance Exam. Board		10.00
Congregational Pub. Soc.		8.30
The Davis Press		6.00
The John Day Co.		6.05
Detroit Teachers College .....		.30
Oliver Ditson Co.		22.57
Doubleday Doran & Co.		8.79
Expression Co.		18.95
The Frontier Press		15.50
Charles M. Gates		3.92
Ginn & Co.		455.94
The Gregg Pub. Co.		14.78

Harcourt Brace & Co.	152.26
G. M. Harriman	2.00
Harvard University Press	1.00
D. C. Heath & Co.	203.41
Henry Holt & Co.	8.10
Houghton Mifflin Co.	179.21
Iriquo Publishing Co.	143.09
Kramer Publishing Co.	27.90
Latin Form & Syntax Co.	2.50
Charles E. Lauriat Co.	9.30
J. B. Lippincott Co.	5.48
Little Brown & Co.	74.37
Longmans Green & Co.	6.41
Looseleaf Educ. Inc.	19.22
Robert M. McBride & Co.	1.72
E. V. McCollum	1.20
McGraw-Hill Book Co., Inc.	2.13
Macmillan Co.	101.02
Mass. Soc. for Mental Hygiene	3.00
Charles E. Merrill Co.	27.77
National Child Welfare Assn.	1.00
National Safety Council	17.75
New Republic, Inc.	1.00
The Old Corner Book Store, Inc.	121.50
Oxford Book Co.	4.05
Playground & Rec. Assn. of Am.	1.25
Public School Publishing Co.	95.92
G. P. Putnam's Sons	7.04
Prentice-Hall, Inc.	30.98
Progressive Educ. Assn.	32.12
Regents Publishing Co.	3.74
Rochforts Book Shop	1.50
Row, Peterson & Co.	5.80
Harold Rugg	194.91
Benj. H. Sanborn Co.	109.86
J. H. Saul	3.50
Scott, Foresman & Co.	14.65
Charles Scribners Sons	88.42
Self-Test Publishing Co.	1.10
W. Hazleton Smith	5.67
Silver Burdett & Co.	185.33
Standard Book Co., Inc.	3.38
J. B. Taylor	16.65
Teachers College	5.75
University of Chicago	2.50

University Press	1.97
University Publishing Co.	15.36
The University Supply & Book Co.	1.68
United Society of Christian End.	1.80
John Wiley & Sons, Inc.	6.84
The Williams & Wilkins Co.	6.00
Warwick & York, Inc.	8.88
Winfield High School	1.50
John C. Winston Co.	140.81
World Book Co.	759.92
	<hr/>
	\$ 5,025.10

Supplies for Pupils:

Adams Company	\$ 38.37
Amercian Book Co.	81.00
American Classical League	1.00
American Cookery	1.50
American Type Founders Co.	23.35
The Athletic Journal	1.50
Athletic Trainer's Supply Co.	2.44
G. H. Atkinson Co.	89.47
Edward E. Babb & Co.	855.35
W. Bancroft & Co.	15.51
Chas. F. Bingler Sons, Inc. ....	.70
Milton Bradley Co.	58.75
Barris Lumber Co.	29.43
Henry W. Bryden	5.60
Carter Rice Co.	167.32
M. F. Charles	13.00
M. J. Chase	8.23
Clapp & Leach, Inc.	10.16
College Entrance Exam. Board	2.00
Colgate-Palmolive Pub. Co.	1.00
Crescent Laundry	1.76
J. Cuneo & Co.	3.06
Oliver Ditson Co.	3.05
Eastman Kodak Stores, Inc.	3.46
Ellis Publishing Co.	27.97
Esterbrook Steel Pen Mfg. Co.	23.49
A. Flanagan Co.	1.09
Carl Fischer, Inc.	1.10
General Science Quarterly	2.50
The Gregg Writer	2.00
C. A. Gregory	3.70
J. L. Hammett Co.	3,051.48
C. S. Hammond & Co.	5.00

The Haire Publishing Co.	3.00
Harvard Graduate School of Educ.	19.35
D. C. Heath & Co.	33.48
Herrick Company	10.20
Hodson Brothers	5.10
Houghton Mifflin Co.	32.14
Howe & French, Inc.	72.66
Amos C. Hoyt	2.25
W. C. Hutchinson	38.55
The Inland Printer	4.00
Jordan Marsh Co.	52.36
Journal of Chem. Educ.	2.00
Kenney Bros. & Wolkins	372.22
Kenney Service Station	4.75
W. E. King	25.00
Laidlaw Bros.	12.62
Loose Leaf Mfg. Co.	3.50
R. A. Lufkin	4.98
H. B. McArdle	192.15
McIntosh Publishing Co.	21.41
The Macmillan Co.	16.12
Mangus Brush Materials	43.50
B. L. Makepeace	3.12
The Mathematics Teacher	2.00
Mass. S. P. C. A.	1.00
Morey & Co.	10.00
Mun. Light Board	2.81
National Studios, Inc.	3.62
Parker Brothers	6.17
Popular Science Monthly	3.75
The Priscilla Co.	3.00
Public School Pub. Co.	24.83
Reading Citizens Ice Co.	1.60
Reading Custom Laundry	10.92
Research Service Co.	9.00
Rockport Fish Market	3.10
Ryan and Buker, Inc.	45.65
Samuel Stephens	197.71
School Arts Magazine	6.00
Service Bureau for Classical Teachers ..	1.58
Scott, Foresman & Co.	18.76
R. Taylor Milk Co.	23.55
University Extension	2.00
The University Pub. Co.	32.45
The United States Daily	15.00

Van Alstine's	3.26
W. H. Willis	7.08
Wild and Stevens, Inc.	6.40
A. J. Wilkinson	60.55
John C. Winston Co.	57.22
A. M. Wood Co.	233.61
World Book Co.	61.97
	<hr/>
	\$ 6,364.39

Apparatus for Teaching:

Edward E. Babb & Co.	\$ 302.50
W. C. Barrett	5.00
R. W. Blaisdell	6.00
Beverly Trade School	33.50
Cambridge Botanical Sup. Co.	57.26
Central Scientific Co.	207.48
Chemical Rubber Co.	119.00
Clapp & Leach, Inc.	4.00
Denoyer-Geppert Co.	311.20
W. H. Field Co.	494.70
J. L. Hammet Co.	8.56
Jewell Elec. Instru. Co.	25.72
Mass. Audubon Soc.	7.50
Mun. Light Board	2.99
Albert-Pick-Barth Co.	69.01
Remington Rand Bus. Ser. Inc.	295.00
Royal Typewriter Co.	15.00
Charles N. Smart	17.13
L. C. Smith & Corona Type, Inc.	30.00
Underwood Typewriter Co.	385.00
James W. Brine Co.	245.96
	<hr/>
	\$ 2,642.51

Administrative Expense:

Adams Co.	\$ 3.60
American Council on Educ.	4.25
American Gas & Oil Co.	20.59
Athletic Trainers' Supply Co.	14.58
G. H. Atkinson Co.	1.56
Edward E. Babb & Co.	30.28
F. J. Barnard & Co. ....	.75
Joseph Breck & Sons	15.60
Bureau of Pub. Pers. Admin. ....	.70
Margaret A. Cameron	11.00
Carter Rice Co.	3.92
M. F. Charles	1.57
H. O. Copeland	2.50

Cummings Express Co.	3.50
George W. Davis Co.	14.00
Louis Davis	30.44
Dennison Mfg. Co. ....	.90
Dept. of Secon Sch. Principals	2.00
Dept. of Superintendence	30.00
L. W. Dickinson & Son	2.45
Fred B. Emerson .....	.80
Francis Brothers	24.42
Ginn & Co.	2.05
J. L. Hammett Co.	62.25
Harding Typewriter Co.	23.00
Harvard University	2.00
Mary E. Hilton	104.50
Hygeia	3.00
John W. Hutchins	6.00
Houghton Mifflin Co.	3.33
Hodson Brothers	4.00
Jewell & Andrews	25.99
Jordan Marsh Co.	17.60
The Journal of Educ.	3.00
Kingman & Richardson	1.13
Alex Lindsay	32.25
J. B. Lippincott Co.	7.50
Ida C. Lucas	50.00
H. B. McArdle	81.10
E. F. Mahady	4.95
A. H. Mingo	2.05
Mun. Light Board	19.66
Nat'l. Com. for Mental Hygiene	3.00
Nat'l. Educ. Assn.	2.00
Florence Nichols	10.50
New England Tel. & Tel. Co.	744.23
Public School Pub. Co.	12.24
Reading Motor Co.	44.92
Reading School Lunches	5.00
Research Service Co.	3.00
Remington Rand Bus. Ser. Inc.	171.81
Adelbert L. Safford	7.91
The Science Press	5.00
School Board Journal	6.00
Scott, Foresman & Co.	1.50
Chas. N. Smart	2.00
The Song Shop	25.00
Standard Office Machine Co.	3.83

S. R. Stenbridge Co.	14.70	
Work-Study Plan Assn.	1.00	
The Survey	5.00	
Teachers College	10.60	
W. E. & W. F. Twombly	261.00	
University of Chicago	2.50	
United States Post Office	187.99	
M. Grace Wakefield	13.75	
Margaret E. Whittier	50.50	
W. H. Willis	2.00	
World Book Co.	110.88	
Wright & Potter Print Co.	4.16	
Yawman & Erbe Mfg. Co.	23.10	
	<hr/>	\$ 2,409.89

Fuel:

Oliver McGrane	66.50	
Percy N. Sweetser	5,613.85	
Otis P. Symonds	10.00	
Wakefield Coal Supply Co.	2,304.65	
Charles Wheeler	5.00	
	<hr/>	\$ 8,000.00

Gas & Electricity

Malden & Melrose Gas Light Co.	475.66	
Municipal Light Board	1,893.05	
	<hr/>	\$ 2,368.71

Sewer and Water:

Sewer Dept.	1,079.10	
Water Dept.	889.85	
	<hr/>	\$ 1,968.95

Ashes and Trucking:

American Railway Exp. Co.	17.88	
Harold W. Batchelder	2.00	
Boston and Maine R. R.	57.94	
Chase's Auto Express .....	.90	
P. F. Newhouse	1.35	
Cummings Express Co.	248.33	
Dept. of Correction	3.00	
Henry E. Smith	265.00	
	<hr/>	\$ 596.40

Janitors' Supplies:

American Oil & Gas Co. ....	.44	
Andrews Paper Co.	257.25	
G. H. Atkinson Co.	17.62	
J. C. Birchall	1.00	
Boston Mill Remnants Co.	166.45	

Clapp & Leach, Inc.	40
M. F. Charles	50
C. B. Dolge Co.	9.60
H. I. Dallman	38.90
M. C. DiRocco Co.	1.25
F. S. Eaton	191.44
Economy Lubricating Co.	41.47
Fort Hill Paper Co.	199.90
Francis Brothers	54.91
L. M. Glover Co.	6.86
J. L. Hammett Co.	5.18
Norman C. Hayner Co.	111.62
Hodson Brothers	33.72
W. E. Johnson	2.25
Kenney Service Station	3.00
Mass. Sts. Prison	121.77
Masury Young Co.	233.18
Middlesex County House of Cor.	2.62
Midland Chemical Laboratories	373.85
Mun. Light Board .....	.33
Noxon Chemical Products Co., Inc.	6.00
Ira S. Noyes	20.75
Ponsell Floor Machine Co., Inc.	10.20
Proctor & Gamble Dist. Co.	12.74
Reading Custom Laundry .....	.90
Reformatory for Women	47.15
F. H. Richards	21.00
The Rustile Co.	11.25
Fred F. Smith	48.09
Spencer Co. of Boston	49.46
S. R. Stembridge Co.	4.40
Stone & Forsyth Co.	98.78
Thyng & Davis	8.75
Tropical Paint & Oil Co.	27.67
Webster-Thomas Co.	34.13
W. H. Willis	2.50
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	\$ 2,279.28

Repairs:

Allen Shade Holder Co.	259.72
Babbitt Steam Spec. Co.	10.82
Badger Fire Ext. Co.	50.64
W. Bancroft Co.	96.90
W. C. Barrett	7.55
The Barrett Co.	233.97
J. C. Birchall	4.75

Board of Public Works	68.86
Braman, Dow & Co.	13.10
J. Frederick Buel	5.63
James S. Cassedy	6.77
M. F. Charles	4.00
Clapp & Leach, Inc.	171.36
George Clarkson	8.00
E. B. Currell & Son	1,352.75
Dudley Lock Corporation	16.65
Frank S. Eaton	22.85
T. C. Fife	2,681.89
Francis Brothers	45.19
Frederick Frotten	43.85
Glynn-Johnson Corporation	15.80
J. L. Hammett Co.	687.81
Stephen Harrow	132.50
Heywood Wakefield	25.52
Hodge Boiler Works	801.00
Hodson Brothers	1,936.41
Ideal Song Shop	18.00
Jordan Marsh Co.	9.50
Kenlit Mfg. Co.	200.00
Lambert Sawyer Co.	53.65
B. J. Leathers	96.50
Mun. Light Board	279.77
J. A. Murphy	4.00
Norton Door Closer Co.	9.80
J. L. Petters	5.50
Pigeon Hollow Spar Co.	310.00
Plibrico Co.	16.69
P. J. Seaman	1.00
Alonzo H. Smith	30.00
Walter Smith	6.00
Harry E. Smith	2,889.00
W. A. Snow Iron Works, Inc.	254.65
The Standard Elec. Time Co.	64.15
Samuel Stephens	1.10
Percy N. Sweetser	10.25
S. L. Thompson	11.00
Thyng & Davis	481.00
Tree Warden	10.00
Town of Reading S. of W. & M.	5.50
Underwood Typewriter Co.	1.94
Univ. Supply Co.	4.00
Upton Lumber Co.	40.90

Waldorf System, Inc.	1,847.70	
A. J. Wilkinson Co.	1.48	
	<hr/>	\$ 15,367.37

Agricultural Account

American Nature Assn.	4.80	
Francis Brothers	11.60	
The MacMillan Co.	43.33	
Orange Judd Pub. Co.	24.51	
The Century Co.	4.14	
J. B. Lippincott Co.	13.75	
Meredith Publishing Co. ....	.60	
James Salter	1.00	
J. N. Weston	17.25	
John Wiley & Sons, Inc.	1.90	
Hermon T. Wheeler	24.47	
	<hr/>	\$ 147.35

Industrial Tuition

City of Boston	188.44	
City of Somerville	370.54	
Wakefield School Dept.	24.00	
	<hr/>	\$ 582.98

Janitors

	Salaries
High School: Leonard Clarkson, 38 Ash St.	\$1,560.00
Matron, Mrs. Ara Pratt, 29 Orange St.	1,040.00
Matron, Miss Edith P. Gleason, 5 Salem St.	780.00
Junior High School, Henry W. Bryden, 14 Village St.	1,820.00
Walter Smith, 30 Temple St.	1,560.00
Fred L. Reissle, 12 Minot St.	1,560.00
Matron, Mrs. Agnes Hurley, 109 Haven St.	1,040.00
Highland School, James L. Healey, 65 Woburn St.	1,560.00
Matron, Mrs. Emma Tibbetts, 13 School St.	780.00
Center School, Edward W. McBrien, 18 Salem St.	1,560.00
Union St. School, Edward W. McBrien	
Lowell St. School, Sylvanus L. Thompson, 8 Intervale Ter	1,040.00
Prospect St. School, J. Fred Richardson, 17 Prospect St.	1,040.00
Chestnut Hill School, Herbert F. Damon, Stoneham, Mass	520.00

REPORT OF ATTENDANCE DEPARTMENT**For year ending December 31, 1929**

Mr. Adelbert L. Safford,
Superintendent of Schools,
Reading, Massachusetts.

Dear Mr. Safford:

The year which has just ended has been a successful one from the standpoint of attendance in the public schools. The per cent of attendance has been slightly lower than it has been at some other times, but I think the reasons for the absences have been in most instances fairly good ones. Occasionally a child has been allowed to stay out for trivial causes, but such is the exception and not the rule. Oftener this year than for some time past we have had children out of school because they had no suitable clothing. There is no doubt that business conditions have been bad this year and mothers and fathers cannot buy clothing when they have no funds. In these cases we have been able nearly always to help out with clothing, underwear, or shoes, as the case might be, through the generosity of more fortunate children or their mothers. Some cases have been referred to the Board of Public Welfare, through the agent of this board, Miss Helen Brown, and she has supplied whatever seemed necessary. There have been some cases of truancy, the most glaring of which we took to the court. A suspended sentence was meted out, but as yet has not been put into effect, and the boy is still out of school. This is partly our own fault as we endeavored by every means in our own power to bring this boy to his senses before taking him to court, but he is nearly sixteen, and we waited too long. However, it now rests with the court to make some disposition of his case and it is out of our hands. All other cases of truancy, which are few, either have been settled amicably by the school authorities or will be brought before the court for action.

There were enrolled in all the schools for the year beginning in September 1928 and ending in June 1929 two thousand and eighty-eight pupils, of whom 1,032 were boys and 1,056 girls. Of this number 1,135 were enrolled in grades 1 to 6 inclusive; 544 in Junior High School; and 409 in Senior High School. We had enrolled for not less than half the school year outside of Reading, for whom the town paid tuition, four pupils. Non-resident pupils attending Reading schools numbered 130. This included the pupils from North Reading, state wards of the City of Boston, and all others whose tuition was paid to the town. The average membership for the school year was 1,997; average attendance,

1,855; per cent of attendance, 92.8. As I have said, this is not so high a per cent as we have reached at times. Membership in the schools as of October 1928 was as follows:

Elementary	1,097
Junior High	542
Senior High	395
Total	2,034

For comparison, I give below the figures for October 1929:

Elementary	1,166
Junior High	530
Senior High	434
Total	2,130

This shows an increase of 96 in total enrollment. Total enrollment to December 31, 1929 was 2,191, which will no doubt be somewhat larger before the end of the school year in June 1930.

The census, taken in October 1929, by the pupils of the Junior High School, Social Study groups, under Mr. Belmore's direction, was done in a most painstaking and thorough-going fashion. A street to street canvass was made; the approximate number of children living on each street was obtained; and groupings were made by the pupils doing the work which showed roughly the number of children we might expect to find in grades 1 to 4 inclusive, 5 and 6 inclusive, 7, 8, 9, inclusive, and in the Senior High School. While these pupil-census-enumerators do miss many of those over sixteen, it is the best method we have at present for taking the census and, since it is checked carefully with the information secured in other years and with the street list, we feel that very few are finally overlooked who come within the jurisdiction of this department. We are looking for those who should be in school, at work with certificates, and those having serious mental or physical handicaps which necessitate special schools or special treatment in our own schools. Much valuable information has been catalogued this year by the census takers. Each year they gain in proficiency, so that before long we may expect, with the co-operation of the citizens who give the data, most complete returns. In addition to the valuable data secured, there is the benefit received by the pupils who put over a complete job and at the same time perform a real civic duty.

Employment certificates have been issued to eleven minors between fourteen and sixteen who are out of school. This is a very small proportion of our minors of that age. Practically all our children under sixteen are in school regularly. We have issued employment certificates to the number of 145 to minors under twenty-one employed either full or part time. Anyone employing a boy or girl under the age of 21 should require a certificate of employment. Some employers fail to

do this until the inspector comes around, when we have a rush of business in certificates. There is a provision for a fine for failure to require this certificate and also for failure to return it when the employed has left his job. In the main employers are anxious to fulfill the requirements of the law, but some do not understand that anyone under 21 has to secure a certificate. Each different job requires a certificate, as the girl who has changed places nine or ten times this year must realize. However, not many of our girls and boys travel from job to job very much. Most of them do not leave school before they are sixteen or over and by that time they are fairly well equipped to hold their places.

The matter of following up absentees has been carefully attended to, as in the past. Each case has to be dealt with on its own merits and many things enter into the understanding of each case. Poor home influences, with sometimes lack of proper food, clothing, and care, are responsible for much of the trouble we have in school. We have called in to help us some of the social agencies in Boston and they have dealt with these poor homes and studied our worst cases for us, but it seems that we need some such agency of our own, perhaps a Reading Family Welfare. The schools have not sufficient money or time for the solving of these complicated problems. Reading should pay for the services received and so we hesitate many times to ask for help from these outside agencies, since we do not feel right about accepting gratuitous assistance that is perhaps needed more by some other community less able to pay for it. Not many persons, outside of those actually in contact with them, realize that Reading has within its borders conditions which need help and enlightenment such as only a special agency can give.

On the whole, although there have been more cases of unemployment this year than usual, Reading suffers less than some places do, but we cannot let that circumstance make us complacent and satisfied with less than the complete attainment of our aim, which is to have every child who is physically and mentally able to benefit thereby in attendance every day schools are in session in the school from which he can profit most.

Respectfully submitted,

ABIGAIL H. MINGO,
Attendance Officer.

REPORT OF MANAGER OF SCHOOL LUNCHES**For Year Ending December 31, 1929**

Mr. Adelbert L. Safford,
Superintendent of Schools,
Reading, Massachusetts.

Dear Mr. Safford:

The year 1929 has been a successful one for the School Lunches which have been operated in three schools, the Senior High School, the Junior High School, and the Highland School. We have been able to continue the serving of nutritious lunches at low prices, pay our bills, and, in the Highland and Senior High Schools, put in considerable new equipment. Mid-morning lunches of milk and crackers have been served in all the other schools as well as in the three mentioned above.

The School Committee has fitted up the High School Lunch Room with enough new seats and tables to accommodate about two hundred pupils at a time and, in addition, has enlarged the counter, making it very much easier to serve the pupils and infinitely more inviting and comfortable for them. The High School Lunch is much cheaper and easier to operate than that at the Junior High School, but, of course, can never equal it in many other ways. The Junior High School Lunch continues to be a worry chiefly because of the large expense incidental to the proper running of it and the very small margin of profit it is possible to make when the lunch management has to pay all the bills. It is impossible to do the work properly with less help. Our standards of cleanliness are very high and cleanliness necessitates much time and labor. Prices cannot be high for school children. Most children have only small allowances; some earn all their own spending money; and not a few find it hard to obtain any money at all to spend for themselves. This last condition is unfortunate but to my mind is better than having too much. In the Highland School most of the children bring their own sandwiches and supplement them by soup, the hot special, cocoa, milk, or ice cream, as they prefer. In this building the lunch room kitchen was completely renovated during the summer, making it as bright and clean as any home kitchen in Reading.

There is no doubt that pleasant surroundings make keener appetites and our food does us more good when we are enjoying ourselves, so we plan to serve all our lunches as attractively as possible and under the very best of conditions obtainable. At the close of the year 1929 we find ourselves with our bills paid, a goodly stock on hand, workers who are interested, and equipment ample for our needs. It

would seem that 1930 might be more successful than 1929, unless something unforeseen happens.

In closing this report I wish to thank you and the School Committee for encouragement and help whenever I needed it.

Respectfully submitted,

ABIGAIL H. MINGO,
Manager of School Lunches.

REPORT OF THE DEPARTMENT OF RESEARCH AND GUID- ANCE, 1929

Directors' Report

Mr. Adelbert L. Safford,
Superintendent of Schools,
Reading, Mass.

My dear Mr. Safford:

It gives me pleasure to report to you that the work of this department has progressed steadily during the past year. Our files are increasing in value with every year that adds valuable data to them so that more and more we are better able to understand the needs of the individual child and to adjust him in the school system so that he may live happily in his surroundings and develop normally in his physical, social and intellectual life.

A new form of report card has been introduced this year in which figures are used instead of letters as formerly. Believing that intellectual achievement is only one part in a well-rounded development, we have on the report card spaces in which to mark some phases of behavior. The very fact that the teachers consider his behavior important enough to have a prominent place on the report card cannot but help to impress its importance on the child especially if the parents will regard a low mark in scholarship as of much less importance than anything below a "3" in behavior. Knowing how hard it is to mark character we have tried to choose only those traits that lend themselves rather easily to an objective rather than a subjective rating.

Gradually the school progress in many subjects is being divided into well-defined steps each of which must be mastered before the pupil passes on to the next step. This division makes it possible for each child to progress at his own rate of speed and lends itself to the flexible promotion scheme which is now being followed.

Under the old plan a child who failed to pass the year's work of

his grade was not promoted and the next year began back at the very beginning of that same grade and went over the whole work the second time and this regardless of the fact that he had probably done half or more of the work in a fairly satisfactory manner. At the end of the second year he was usually promoted without much regard to scholarship. In many different school systems in various part of the country studies of these "repeaters" have been made and it has been pretty conclusively shown that they gain very little if any in scholastic standing and certainly lose many of those intangible things that make for a wholesome attitude towards life. Barring a few exceptional cases, under our present scheme no child should have to repeat an entire grade. The work is so arranged that the pupil may take five, six or seven years to reach the Junior High School. Perhaps the way the plan works can be best explained by taking three cases A, B and C. All three enter the first grade the same September. The next June A has done more than the allotted work of the first grade and is promoted to $2\frac{1}{2}$, B has completed the grade work and goes to a straight grade 2, for some reason C has done only a part of the required work so is sent into $1\frac{1}{2}$ group. The room to which they will be assigned will depend upon circumstances but A will have an opportunity to do as much of the third grade work as he can after finishing that of the second, B will do the work of the second grade and more if he can while C will finish the first grade work and do what he can of that of the second grade. Just where the half steps will come in a child's progress through the schools is dependent upon his work. The following table is an illustration of what often happens:

	A	B	C
Enters in September grade	1	1	1
Enters his 2nd September grade	$2\frac{1}{2}$	2	$1\frac{1}{2}$
Enters his 3rd September grade	$3\frac{1}{2}$	3	$2\frac{1}{2}$
Enters his 4th September grade	5	4	3
Enters his 5th September grade	6	5	4
Enters his 6th September grade	Jr. High	6	5
Enters his 7th September grade		Jr. High	6
Enters his 8th September grade			Jr. High

These promotions are not given just because a teacher "thinks" that is where A should be placed but upon many factors which are grouped on one paper called the promotion sheet. This sheet is an

alphabetical list of every pupil in that grade and contains the following facts about each child of the list: chronological age, intelligence quotient, educational age as shown by results of standard tests, reading age, arithmetic age, grade placement in each of these subjects, grade placement from total score, educational gains as shown by comparison with scores of previous years, his poorest subject, teacher's marks and opinion of best placement for ensuing year, attendance, work habits, behavior traits, health, and any facts that will affect his adjustment. With these facts at hand it is possible to divide the grade into groups for the following year.

The work of the Habit Clinic has continued its regular work and has held monthly clinics every month except August during the year.

There has always been a real interest among our young people in 4-H Club work but the lack of leaders has been a serious handicap. This year several parents and teachers have volunteered to help and as a result we have an unusually large enrollment. There are three Food Clubs for girls with Mrs. Rolland Perry, Mrs. Walter F. Rossman, Mrs. Warren Miller, Mrs. Malcolm Davis and Mrs. Lucas for leaders; two boys' clubs in Camp Cooking being lead by Mrs. Charles Doughty and Miss Burr of the Junior High School faculty; two Clothing Clubs with Miss Henderson also of the Junior High School and Miss Dorothy Batchelder. There is also a Forestry and a Poultry Club, both of which are carry ing out regular programs of work. All this work would be impossible without the hearty co-operation and help of Mr. George Erickson and Miss Bishop of the County Extension with headquarters in Concord. In April of this year the annual rally and exhibition of the 4-H Clubs of all the surrounding towns will be held in Reading.

Thanking all those whose sympathy and co-operation have helped to make the work of this department of real service to our children and Reading schools this report is respectfully submitted.

IDA C. LUCAS,

Director of Research and Guidance.

REPORT OF TESTING SUPERVISOR AND STATICIAN, 1929

TESTING PROGRAM OF THE READING SCHOOLS 1929-1930

TEST USED	GRADES	PURPOSE FOR GIVING:
Stanford Binet		All problem cases and Grade I pupils under the Mental Age of Five.
Clinical Testing		Non-language and Performance tests to pupils of low I. Q. and exceptional cases.

FIRST HALF YEAR SEPTEMBER TO DECEMBER 1929

	I	For sectioning into Mental Age Groups
Pintner-Cunningham		
Group Intelligence	All new pupils	For Group placement
Otis PPrimary B	II-III	
National A	IV-V-VI	
Terman Group	VII-VIII-IX	
Stanford Achievement	All new pupils	Group placement
Arithmetic Tests	V and VI	Winnetka Research
Gates Strang Health	Junior High	Diagnosis of Health Knowledge
Reading Tests	Junior High	Formation of Remedial Clubs
Providence Arithmetic		Formation of Remedial Clubs
		Inventory and diagnosis of the fundamental processes
Los Angeles English	VII and VIII	Inventory and Diagnosis of English Abilities

SECOND HALF OF YEAR JANUARY TO JUNE 1930

Los Angeles Reading	II to VI	Check Reading Age and Grade and aid curriculum research in Reading
Gates Form C Reading		
Terman Group Intelligence tests	Remedial Group in Reading in Junior High Opportunity and 3 groups of Junior High pupils	Research — to note if improvement in reading ability will affect score on Terman tests To test Special abilities and to assist the Guidance department
Stenquist Mechanical Aptitude		
Thurston Clerical Tests		Same as above
FEBRUARY		
Reading Tests	Grade I	To establish standards for grade and check achievement
Stanford Achievement	VII-VIII	Check ability and Ability grouping
MARCH		
Stanford Achievement	IV-V-VI	Check Annual progress and find Educational Ages of pupils
• National Intelligence	IV	Formal Ability Grouping for the Intermediate school
Dearborn Intelligence	IV-V-VI	Research purposes
APRIL	II-III	Educational Ages and to assist promotions
MAY		
Dearborn Intelligence	I	For reliable Intelligence Quotient and Mental Age
Reading Test	I	Final check on achievement
PROMOTIONS AND ABILITY GROUPING	ALL GRADES	
APRIL TO JUNE		

Health Tests:

The Gates-Strang Health Tests given this year in Grades V and VI showed a marked improvement in health knowledge since the same tests were given in March 1927.

The high standards of these grades in comparison with the given norms show the efficient functioning of the new course of study in Health adopted last year.

Grade V	High	Median	Low
Norms for New York Schools:		28	
Reading Schools March 1927:	54	35	11
Reading Schools November 1929:	54	39	14

Grade VI			
Norms for New York Schools:		36	
Reading Schools March 1927:	55	42	23
Reading Schools November 1929:	55	44	30

After these tests were tabulated and diagnosed and the results reported to the School Nurse, we returned the test papers to a classroom teacher to be distributed to the pupils and discussed in a health lesson period. The pupils will thereby be shown their mistakes and taught the correct answers to each problem. The general weakness as shown by the tests will form the basis of future lesson plans in Health instruction.

Los Angeles English Tests:

The Los Angeles English tests given in Grades VII and VIII in the Junior High School in November show Reading pupils 4 months above the standard of their grades, also an average individual improvement of 5 months since these pupils took the same tests in February 1928. These figures prove the excellence of instruction in English in our schools and the efficiency of the Junior High School Remedial Clubs which were formed after the first tests were given to improve individual weaknesses.

AGE AND GRADE DISTRIBUTION TABLE, READING SCHOOLS OCTOBER 1, 1929

Grade	Ages																		Totals
I	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	230		
II	5	152	66	6	1												187		
III		3	97	71	14	2											199		
IV			19	88	61	22	9										186		
V				20	73	63	24	5	1								174		
VI					8	72	69	17	6	1	1						161		
VII						7	58	70	23	3							151		
VIII							12	62	55	13	9						178		
IX							1	15	77	60	19	5	1				185		
X									7	73	76	25	3	1			184		
XI										7	70	74	26	9			144		
XII											5	58	56	17	7	1	97		
Post-Grad.												6	38	36	15	2	7		
Ungraded			1	4	4	4	5	3	7	5	6	5	1		4	2	45		
TOTALS	5	155	183	189	161	170	178	172	176	162	186	174	125	67	24	3	2130		

Promotions and Ability Grouping:

Over 1100 promotions were handled individually in this department in May and June. By means of our complete files and the cumulative records on the Promotion Lists for the past three years, each pupil's progress in scholastic achievement as well as his changes of school attitudes and personnel factors are carefully noted. His present school achievement as indicated by standard test results and teachers' marks are then considered and his promotion and group assigned accordingly.

The Reading plan of placing pupils in ability groups has been approved by many authorities in the educational field. Dr. Edward A. Lincoln of Harvard School of Education describes it in his recent article in *School and Society* for Oct. 5, 1929.

The grouping is not done on the basis of any single factor, but the attempt is made to find and use all the important facts which have a significant bearing on the individual pupil's ability and promise.

The first step in the process of making up the groups is to determine the Educational or Achievement Ages of the pupils, together with their Mental Ages and Intelligence Quotients. This is done by the use of the Stanford Achievement tests and the Dearborn, Otis, National and Terman Intelligence tests, supplemented in some cases by Stanford Binet Individual examinations. The group examinations are given during the spring term.

After the educational and mental measurements are obtained, a preliminary grouping is first made, and then a careful study of each individual child is undertaken to determine his final placement. In this latter phase of the work consideration is given to such things as chronological age, school marks, health, previous school progress, work habits, and personality, factors such as attitudes towards school, teacher and school mates, emotional balance, and general behavior.

The grouping is not fixed and permanent. An individual may be changed at any time when it is clear that his needs will be better served in another group.

The attempt is made to have the teachers understand the underlying theory of grouping, and they are carefully informed as to the nature of the different groups and the character of each exceptional individual within them.

Ability grouping is a necessary procedure in the efficient administration of the Reading differentiated course of study, the Three-level Assignment System.

The grouping is not an end in itself. It is chiefly valuable because it is an aid in giving the child as an individual the teaching, oversight, guidance, motivation, help and encouragement which he needs for the full development of all his potentialities.

Case Studies:

We have continued our careful study of all problem cases in the schools and have a list of some hundred pupils who have come to us for individual treatment this year. These pupils are out of adjustment with their school situation. Their difficulties range in character from failure to gain a school mark equivalent to their abilities to the more serious need of those pupils hopelessly handicapped by physical and mental weaknesses.

The department diagnoses these cases through the use of the Stanford Binet and performance tests, a careful study of the child's history, and investigation into his school situation.

Adjustments are usually effected through conferences with the teacher in which we secure her assistance in carrying out a special school program for the child. Through home visiting with the parents co-operation is solicited for further remedying of the pupil's difficulty.

Exceptional cases are referred to the Habit Clinic.

Reading Research:

The department is attempting to establish a course of study in reading which will fit with the three-track assignment plan and accomplish all the goals assigned to each grade by the best known authorities on reading in the country. Briefly the procedure for carrying on this work is as follows:

1. Investigation as to what is actually being taught in reading at the present time in each grade.
2. Frequent classroom visits to note standards of teachers' methods and class achievements.
3. Talks and demonstrations of teaching silent reading.
4. Frequent teachers' meetings in each grade for the discussion of plans, aims, methods, and materials best for that particular grade.
5. Intra-building visiting by the teacher for the purpose of noting methods used by other teachers in her grade.
6. Survey and Diagnostic tests in reading.
7. Follow-up and Remedial work.

The investigation included a questionnaire to the teachers asking their cooperation in the work of gathering and organizing material. It asked each teacher to state what she considered the important aims of her grade and was followed by individual conferences in which each teacher discussed her present methods, achievements and needs of her particular class.

In January tests for specific reading abilities will be given in Grades two to six using the Los Angeles and Gates Reading tests. These tests will check the reading age and grade of each pupil on the Stanford tests given last April and will note what improvement has been made since that time. The Stanford Reading tests to be given again in April 1930 will serve as a final check on reading ability.

A special program for remedial reading has been adopted in all

the grades. In the Junior High school Remedial reading clubs unusual results have been obtained. In the Intermediate grades, pupils with a low reading grade on the Stanford tests must be a member of the remedial group until his ability improves.

We began the use of a general reading program in the Intermediate grades in October which planned for three types of reading ability. Library, Balanced Program and Remedial Reading. We have followed this with a check upon reading materials and a complete revision of the Library reading system.

Each room is grouped according to Reading Age and Grade on standard tests into three reading groups. Directions for handling the groups have been given to the teachers. One may find pupils reading for enjoyment, reading to improve their speed and comprehension in general, and a hard-working group learning to outline or to read aloud properly all in the same period. The general aim is to know the reading weaknesses of each individual in the class and to supply his needs in so far as possible.

We hope that by the end of the year we may have in shape a set of reading goals for each grade, a program of work to serve as guide to each teacher, and a series of lesson plans to serve as patterns for the three-step assignment method of teaching reading.

VERNA L. WADLEIGH,
Testing Supervisor and Statistician.

REPORT OF THE DIRECTOR OF HEALTH, 1929

Mr. Adelbert L. Safford,
Supt. of Schools, Reading, Mass.
Dear Sir:

I herewith submit the report of the Health Department for the year ending December 31, 1929.

In many respects the year 1929 has been one of the most successful in the history of the department. This period has been marked not only by the introduction of new ideas, but by the intensive carrying out of policies that have been in practice but which, due to the pressure of work and the lack of an adequate staff, have been imperfectly carried out heretofore. The appointment of a second nurse in September has been responsible in part for this satisfactory condition.

Medical Department

The plan of work of the school physician has varied little from that of previous years. This year, physical examinations have been made of High School pupils; pupils of the Opportunity School; and first grade children who entered school without having had a physical examination either by their family physicians or at the Pre-school clinic. The aggregate number of physical examinations was much less than that of the previous year at which time examinations were made of all pupils through the Junior High School. The matter of physical examinations presents a problem. In order to be of value in detecting defects early in the year and thereby providing time for their correction, such examinations should be made early in the fall. With a part time physician, this is not possible because of the length of time that it takes to make physical examinations and the comparatively little time that the school physician has to devote to school work. Some school systems are solving this problem by having a corps of specialists once a year give thorough physical examinations, with the regular school physician on call for inspections only. In certain cases this type of service is paid for by outside agencies.

The prevalence of skin infections since the beginning of school in September has necessitated close supervision on the part of the school physician and has required daily visits to the schools in many instances.

The addition of an assistant nurse since September has permitted a division of the nursing work. Mrs. Dorothy Walker, the new nurse, has gradually taken over much of the routine work such as inspections, weighing and measuring; some of the clerical work; and part of the home visiting. This will eventually leave me free for the administrative and supervisory functions of the health work as well as to develop new projects as the need arises.

To date, such a division of the work has resulted in more systematic methods of checking up and record keeping and in the realization of some of the objectives as outlined in last year's report. Foremost among these is the establishment of classes in Home Hygiene and Care of the Sick. Such classes were held in 1921 and 1922 but had to be dropped because of the growth of the health work. Since September, three classes have been organized at the Junior High School and at the time of writing arrangements have been made to supplement the high school course in Home Economics by the addition of a course in home nursing.

Home visiting has continued to be an important part of the nursing work. Last year 679 visits were made to homes for one reason or another. In addition much has been done in the way of routine pro-

cedures, a report of which is as follows:

Number of visits to schools	310
Number of children inspected	11,468
Number of children weighed and measured	4,074
Number of children weighed	1,451
Number of classroom talks given	76
Number of home visits	679
Number of classes held	106
Number of miscellaneous visits	160
Number of children accompanied to hospital	54

Since September an intensive campaign has been under way to secure a 100 per cent correction of remediable physical defects. Relative to the prevalence of physical defects among school children recent investigations of Wood and Rowell show: "In present school groups not more than 5 to 10 per cent of all children whether in country or city, are entirely free from physical defects, actually or potentially detrimental to health — 1 to 2 per cent, being heart trouble; 5 to 10 per cent have had or now have some form of tuberculosis; 20 to 30 per cent or more are malnourished; 10 to 13 per cent have defective vision; more than 30 per cent have some defects of nose and throat; 30 to 40 per cent have defects of posture; and 50 to 98 per cent defective teeth."

A study of the number and distribution of physical defects in the elementary schools in September, as shown below, show that in many respects Reading children are better than average as far as physical conditions are concerned. The lack of complete data on all the schools is due to the fact that physical examinations were not made in these schools except in the first grades. The gradual decrease in the number of defects noted in the Highland School would continue through the Junior and Senior High Schools as it is a known fact that there is an appreciable decrease in the number of defects, possibly with the exception of those in the postural group, for each year in school.

A STUDY OF NUMBER AND DISTRIBUTION OF PHYSICAL DEFECTS IN THE ELEMENTARY SCHOOLS, SEPTEMBER, 1929

	% with Def. Teeth	% with Def. Thr'ts	% with Def. Noses	% with Def. Gl'nds	% with Def. Hearts	% with Def. Lungs	*% with Def. P's'tre	% with Def. Vision	% with Def. Hear.	% 10% Under- weight	% 20% Over- weight
Center											
Gr. IV...	26.1	28.6	....	....	....	....	....	....	....	14.	2.3
Grade...	17.5	20.	....	....	....	....	....	5.	....	10.	....
Grade...	31.7	15.7	....	....	....	....	....	....	2.2	6.9	....
Grade...	14.	11.	2.4	....	....	....	....	9.7	....	7.	2.4
Gr. II...	33.3	33.3	....	....	....	....	....	....	....	....	2.2
Average	28.6	21.5	.8	....	....	....	....	2.8	.4	8.	1.4
Chestnut Hill											
Grs. III.											
IV...	17.6	29.4	....	....	....	....	....	11.7	....	5.8	5.5
Grs. I., II.	30.7	30.7	....	11.1	3.8	....	33.3	....	....	11.5	....
Average	25.5	30.2	....	....	....	....	....	4.6	....	9.	2.3
Lowell											
Gr. IV...	40.4	33.3	....	....	....	....	....	5.	....	25.	5.
Gr. III...	25.	27.5	....	....	....	....	....	12.5	....	12.5	....
Grs. II., I.	30.2	18.6	....	....	....	....	25.	4.3	....	4.5	4.6
Grade I.	30.2	23.2	....	6.9	....	....	32.5	9.3	....	4.5	2.3
Average	31.9	25.9	....	....	....	....	....	4.2	....	11.	3.
Prospect											
Gr. IV...	22.2	8.8	....	....	....	....	....	4.4	11.1	6.6	2.2
Gr. III...	32.5	25.	....	....	....	....	....	5.	2.5	7.5	5.
Gr. II...	27.7	19.9	....	....	....	....	....	16.6	....	5.5	2.7
Gr. I...	32.5	27.9	4.6	16.2	....	....	18.7	2.3	2.3	6.9	4.6
Average	28.6	20.1	1.2	....	....	....	....	6.7	4.2	6.6	3.6
Oppor- tunity											
Upper...	38.4	53.8	....	....	....	....	23.	7.6	....	4.	....
Lower...	38.4	46.1	....	....	....	....	46.	....	....	4.	15.3
Average	38.4	50.	....	....	....	....	....	3.8	....	7.6	7.6
Union											
Gr. II...	64.4	24.4	....	....	....	....	....	....	....	8.	2.2
Gr. IB...	56.2	50.	....	3.1	....	....	34.3	9.3	3.1	....	....
Gr. IM...	53.3	36.3	....	10.	....	....	36.6	36.6	....	3.	....
Gr. IC...	71.4	33.3	....	....	....	....	14.2	23.8	4.7	....	....
Average	60.9	35.1	....	....	....	....	....	14.8	1.5	4.	.7
Highland											
Gr. VIO	12.2	12.2	....	....	....	....	....	8.1	....	22.9	4.1
Gr. VIB	15.2	13.8	....	....	....	....	....	8.3	....	13.8	2.7
Gr. VIG	13.3	26.6	....	....	....	....	....	6.7	....	16.6	....
Gr. VIF	14.8	8.5	....	....	....	....	....	4.2	....	21.2	8.5
Gr. VB...	11.1	17.7	....	....	....	....	....	2.2	....	24.4	6.6
Gr. VP...	23.8	19.	....	....	....	....	....	9.5	21.4	11.9	2.3
Gr. VW...	15.9	18.1	....	....	....	....	....	2.2	13.6	13.6	4.5
Gr. VG...	22.7	9.	....	....	....	....	....	6.7	11.3	20.4	4.5
Gr. III...											
IV...	14.2	8.1	....	....	....	....	....	4.	2.	12.	2.
Gr. L, II.	7.8	31.5	7.8	13.6	....	....	27.2	2.6	....	8.	....
Average	15.6	15.8	.7	....	....	....	....	5.4	4.9	14.6	3.7

*Defective feet included.

Clinic Services

The schools are fortunate in having the fine clinical services that are available in Reading. Six clinics are now being held regularly, three of which are made possible through the efforts of local organizations, two by the State Department of Health and one conducted independently by the school. With the exception of the Pre-school clinic, all are available to school children. All of the clinics reported below are under the direct supervision of this department. While the work incident to these clinics is tremendous, the results obtained seem to justify the necessary expenditure of time and effort. The representation of the school committee and this department on the local committees that maintain some of the clinics is another factor that makes for the closest kind of co-operation between the official and unofficial agencies of the town.

Dental Clinic

Completing its eighth year of service last October, the Dental Clinic continues to be a valuable adjunct to the school-health program and is probably responsible in a large part for the significant reduction of dental defects throughout our schools within the last few years. During the school year ending June 1929, the following amount of work was accomplished at the clinic:

243 examinations, 193 cleanings; 1192 fillings; 281 extractions; 162 treatments.

Two hundred and forty children attended the clinic, eighty-four of whom were new cases.

Previous to this year, it has been customary for the clinic to operate only during the school term. This year, however, the Reading Good Health Committee co-operated with the school department in its efforts to have children enter school physically fit and maintained the clinic throughout the months of July and August. During these months the worker at the clinic made a special effort to have as many as possible of the children, entering school in the fall and needing dental care, attend the clinic.

The demand upon the clinic far exceeds its capacity. In order to systematically care for the present enrolment as well as to provide for new cases that are constantly making application an increase in the number of days that the clinic operates is desirable.

Schick Clinic

The Diphtheria Prevention program which has been carried on as an annual school function since 1923 began its activities on March 25 and carried through until May 5, with a total of 7 clinic days and an average attendance of 126 children. A report of the work done is as follows: 157 children were given the Schick test: of these 109 had negative reactions: 43 had positive reactions and 5 were never read. One hundred and sixty-seven children were immunized without being

Schicked and 40 of those having positive reactions were immunized, making a total of 207 immunized. Since the beginning of the diphtheria prevention work in 1923, 1905 children have been given the Schick test and 1404 children have received the immunizing toxin-antitoxin.

A gratifying feature of this year's work was the number of pre-school children that attended the clinics. For the first time, approximately twenty-five per cent of the incoming children entered school in September protected from diphtheria. If the mortality rate from diphtheria is to be reduced and the disease itself stamped out, it is essential that the preschool group be reached. Investigations in New York State show that in 1928 twice as many children under 5 years of age died from diphtheria as between 5 and 9 and almost ten times as many as between 10 and 14.

Diphtheria prevention is properly a Board of Health function and should, I feel, be taken over by that department.

State Clinics

The Habit Clinic is one of the clinics that is made possible through the State Department of Health. As this clinic comes under the supervision of the Department of Standards and Guidance only mention of it is made here. This department co-operates by referring cases to the clinic and by attendance at the staff conference held each clinic day.

In accordance with the plan of the Ten Year Program offered by the State, Examination Clinics were held February 25, 26 and 27. At this time several cases of underweight children that have been under the supervision of the clinics since 1926, were re-examined. In addition, special cases and cases where there has been a known exposure to tuberculosis were examined. This type of service together with the consultation facilities at North Reading Sanatorium makes it possible to keep a close check on cases requiring special supervision.

Posture Clinic

The campaign for better posture which was started last year has developed and is gradually evolving in an organized program that is uniform throughout the school system. Under the direction of the Physical Education Department, classes in corrective gymnastics to which children with defects of posture are assigned are held in all of the schools. These classes work in close co-operation with the home for it is only through daily posture work that results can be obtained. Cases of a more serious nature are referred to the Posture Clinic. This clinic is held once a month at the Grouard House and is financed by the Reading Good Health Committee. A report of the clinic's activities for the school year ending June, 1929 show that ten clinics were held with an average attendance of twenty-one children and a total of seventy-one children enrolled during the year. The follow-up work in connection with the clinic is shared equally by the physical

education and health department. Cases requiring posture exercises are referred to the physical education instructor in their respective schools at the High, Junior High and Highland School or to Miss Nichols in the elementary grades. Other recommendations such as X-Ray, appliances and the like are followed up by the health department. All of the preparatory work incident to the clinic is assumed by the health department.

Health Education

One of the reasons for the addition of another nurse was to provide time for the supervision of the Health Education work. Only a beginning has been made along this line. The new conception in education, namely, that of adapting the school work to fit the child's needs, has permeated the health education work. To this end, a Health Habit Questionnaire was given in November to grades 3 to 6 inclusive, the results were tabulated and specific recommendations were made to each teacher as to which health habits needed particular stressing in her room. Also, through the co-operation of the Department of Standards and Guidance the Gates-Strang Health tests were given to grades 5 and 6. Results of these tests show that not only do Reading children stand above the average for grade in health knowledge, but that they have exceeded their own record of two years ago by two points.

The scheme of health instruction in the Junior High School is fairly satisfactory. The arrangement in the ninth grade whereby one physical education period a week is set aside for definite health instruction is possibly better than that in practice in the seventh and eighth grades. The High School is the only school in town where there is practically no provision for health education and it is hoped that this condition may be remedied in the near future.

The correlation of the health department with Miss Burr's department is a source of satisfaction. The possibilities of the Home Economics Department as an instrument for the health teaching are unlimited. The department considers Miss Burr's work of a high order and feels that it is making a valuable contribution to the health program.

Safety education, which is properly included in any health education program and which has received more or less attention in our schools for the past few years, was put on a more organized basis by the introduction of the State Courses of Study in Safety Education. Relative to the need of safety education in our schools, recent statistics show that one out of every five deaths of children between the ages of five and fifteen years is due to accident, the total of accidental deaths in those ages exceeding in number the combined deaths from diphtheria, measles, scarlet fever, typhoid and appendicitis, each of which has been regarded as a major cause of mortality among school children.

Registration and Round-Up

Dr. Thomas D. Woods has said: "The child ready to enter school should be fit for the best that education can bring to him. He should be free to grow and develop; free to discover the best of himself in physical, mental and social personality." In order to approximate this ideal an effort has been made for the last three years, through the median of the Summer Round-Up, to have children enter school physically fit. This year in order to provide more time for the correction of such defects as might be found, a registration of incoming children was held March 6 at which time the purpose and aims of the Round-Up was explained to the parents. Through the co-operation of the parents, the local physician and the Preschool Clinic, approximately sixty-three percent of the children entered school having had physical examinations; ninety-seven percent showed satisfactory vaccination scars; twenty-five percent had been protected from diphtheria; and an appreciable number had had their physical defects corrected.

Other Activities

The health department has worked in close co-operation with the various local organizations such as the Reading Good Health Committee, the Red Cross and the Tuberculosis Committee. These committees have provided the clinic services already in operation; have made it possible to send children to the Health Camp at Sharon each year; have assisted in the diphtheria prevention and examination clinics; and in many and various ways have given financial and moral support to the work. The health department, in turn, has been able to render some assistance to these committees in such activities as the sale of Christmas seals; the sale of children's tickets for the Benefit Movie which was run for the purpose of raising money for the Posture Clinic; and the Christmas party held at Rotary Hall December 20. The continued support and interest of these various local organizations in school health work is a source of satisfaction. The tremendous growth of the health work would not have been possible without the backing that they have continually accorded it.

In conclusion, allow me to acknowledge with thanks the fine co-operation extended our department by the teachers and parents and to express my appreciation for the many courtesies extended me by you. Your advice has been no small factor in the successful accomplishments of my duties as director of the department.

Respectfully submitted,

MABEL M. BROWN,

Director of Health.

REPORT OF THE DIRECTOR OF PHYSICAL EDUCATION

Mr. A. L. Safford,
Superintendent of Schools, Reading, Mass.
Dear Mr. Safford:

This is the first annual report of the Department of Physical Education which it is my privilege to submit to you for your consideration.

I wish to discuss the departmental aims and objectives; the content of the program; the method by which the curriculum is presented, and, finally, to show how this results in a unified, progressive program of Physical Education throughout the Reading Public Schools.

The fundamental principle involved in the formation of a unified program is that, "the child learns far more of permanent value through what he does (and this always means neuro-muscular action of some sort) than through what he sees or hears or perceives in any way directly with the five senses." This necessitates a program of learning by doing. This program looks to the process of human evolution for general guidance. Primitive men became strong and healthy, developed moral powers through play and by doing real things in hunting and fishing, in war, in agriculture, in commerce; but always in immediate unconsciousness of self, without understanding what went on in muscle and nerve. Children must do things today, not necessarily coincident, with the primitive manner of living but in the same general spirit if the results are to be satisfactory.

In order to provide a standard by which this new plan could be successfully presented, a Physical Department Policy was adopted at a recent meeting of the Physical Department staff. This policy serves as a guide for the individual organization of subject matter by each instructor; it becomes a standard by which the work is judged; it is educational, giving a comprehensive understanding of what our work embodies.

Physical Education Department Policy

1. Aim of Physical Education:

The aim of physical education and general education is the same; to give the child full complete life each day. This emphasizes the growth of the child and his gradual development. The precise meaning is an education through the physical which will afford an opportunity for the child to act in situations that are physically wholesome, mentally stimulating and satisfying, and socially sound.

2. Objectives of Physical Education:

1. To help pupils in every possible way to attain the physiological and hygienic benefits which are essential by-products of a satisfac-

tory program of physical education. Prominent among these benefits are:

- (a) Health and vitality.
- (b) Good posture and bearing.
- (c) Preservation and improvement of all functions of the body.
- (d) Development of agility, quickness, strength, endurance, and motor skills.

2. To help pupils achieve in the fullest possible measure:

- (a) Such mental benefits as attention, concentration of effort, will power, coordination of action, persistence, initiative, resourcefulness.
- (b) Such social benefits as fellowship, followership, leadership, fair play, group loyalty.
- (c) Such moral benefits as courage, honor, sportsmanship, self-sacrifice.

3. Content of the program:

The program in physical education consists of the following eight units, covering the range of the child's school life, and based on the child's actual needs and interests in each stage of his growth.

- 1. Natural activities of daily life—walking, running, jumping, self-protection, life-saving.
- 2. Free play and games.
Free play activities for the child through the first two grades.
- 3. Athletics and sports (clubs).
- 4. Dramatic Expression.
Dancing, festivals, pageants.
- 5. Social Service and pre-vocational activities.
(Training for citizenship).
- 6. Self-testing activities.
- 7. Individual corrective exercises.
- 8. Natural gymnastics.

The content of the program is based on the following principles:

- 1. That subject matter (curriculum) be subordinated to the interest and needs of the child.
- 2. That the criterion of the subject matter is consistent with the objectives and aims in each stage of the child's growth.
- 3. That a maximum of activity be given in a minimum of space.
- 4. That "athletics for all" is a sound doctrine educationally.
- 4. Method of presentation of subject matter.

The method of presentation of subject matter is based on modern educational theory and practice to bring out the values inherent in our program and which contribute to the successful realization of the

aims of general education. In the method of presenting subject matter lies the greatest significance of the program. The method is based on the idea that there is thought content in big muscle-brain activities, and that Dewey's elements in reflective thinking can be used as a method of study in this field.

Dewey's Thought Process

1. A felt difficulty.
2. Its location and definition.
3. Suggestions of possible solution.
4. Development by reasoning of the bearing of the suggestion.
5. Further observation and experiment leading to acceptance or rejection.

Application in Physical Education

1. Pupils engage in purposeful activity; certain felt difficulties arise.
2. Discussion takes place, ideas are offered; more time may be needed for gathering data.
3. These ideas are put together or organized.
4. The useless ones are so judged and discarded.
5. The solution is put to use.

There should also be a statement of the character building values in the presentation of subject matter. Pupils should know what they are trying to do and why they are doing it.

5. Subject Matter:

The curriculum grows out of the needs and interests of the child. It is made by the teacher and child together. The following steps in curriculum making, summarize the under-lying theory of our program:

1. The curriculum grows out of the child's needs.
2. Aims and objectives are determined and then translated into activities.
3. From all these activities (which represent aims) are selected those which will best fit the child.
4. The teacher sets up the items which her curriculum study tells her the child should have and then provides situations or projects in which these will become parts of the child's experience.

The program resulting from a correlation of activities to each stage of the child's growth should be of special interest to Reading parents:

Primary Grades (1 and 2).

The individualistic and independent nature of the new children in school forms the basis on which the program of activities in the

primary grades is selected. Animating activities in the world of make-believe characterizes this work. Story plays, rhythmic plays and game skills play an important part, for here they learn to throw, toss, catch a ball, to run, to jump, to hop, to skip, to march.

Elementary Grades (3 and 4)

When the children proceed to the elementary grades, a new idea motivates their games. Since they have become more group conscious, they find organized play more intriguing and challenging. Games are played which demand greater physical and mental effort. Here, the games have definite rules.

Intermediate Grades (5 and 6)

The "gang" instinct is here given the proper direction by the organization of the group into squads. A Leaders' Club has been formed which begins the development of pupil leadership. The skills used in volley ball, squash ball, victory hall, newcomb, baseball, and soccer serve as a basis for games. When pupil accomplishment makes actual playing of these games a possibility, a spirit of competition is fostered by organizing classes into teams. Soccer, kick ball, squash ball and modified baseball have been played in tournament form after school. Natural gymnastics and dancing form another important phase of this program.

Junior High School (7, 8 and 9)

In the Junior High School, emphasis is placed on squad work, game skills, and athletics. However, more importance is attached to pupil leadership, as the second step in the leadership program. Pupils with ability and an inclination to direct the work of their classmates are organized into a Leaders' Club and from this group, pupils are taken to act as traffic officers and squad leaders to direct the work which includes apparatus, stunts, game skills, tournaments, etc. A natural outgrowth of the instruction in game skills leads to the formation of tournaments for boys and girls affording intra-mural competition. The boys have inter-school contests in basketball only. Folk dances, miscellaneous group games, track and field athletics are also included in the program. As an added incentive, ability tests or achievement tests are given at intervals during the year.

Senior High School (10, 11 and 12)

The senior high school program is a continued elaboration of the junior high school with stress still being put on pupil squad leadership activities. Activity assignments are here made on a project basis with a given length of time for the completion of the project. Interclass competition is afforded the girls in seasonal sports with inter-school competition playing a minor part. The boys' athletics are mostly inter-school.

Problems, Projects and Recommendations

Much attention is being given the subject of grading in physical education with a project under way to secure a definite marking system. The tendency is toward finding a suitable method of grading individual achievement.

A beginning is being made in the matter of recognizing the educational value of scouting and in linking up the Boy Scout work with the regular program in the schools.

In rounding out the fifth section of the program content, namely, social service and pre-vocational activities, plans are under way for school principals to foster recreational groups, such as hiking, horse-back riding, bowling, nature study, swimming, etc., under the direction of a faculty advisor.

I wish to stress the need of additional outdoor recreational facilities at the junior high school. Sufficient level ground is needed to adequately conduct seasonal sports in the spring and fall. There is also sufficient land conveniently situated nearby to enable a project of considerable proportions.

It is very gratifying to observe the splendid effectiveness with which the physical directors are cooperating with the new policy. I wish to thank them and the various persons and organizations that have cooperated in giving direction toward a sane program of physical activities for the boys and girls of Reading.

Respectfully submitted,

PHILIP W. ALTHOFF,

Supervisor of Physical Education.

REPORT OF THE SUPERVISOR OF MUSIC. 1929

Mr. Adelbert L. Safford,
Superintendent of Schools, Reading, Mass.
Dear Sir:

I now submit for your consideration a report of my second year as supervisor of music in the first seven grades:

In this present age of speed and unrest, there is perhaps nothing that brings a sense of relaxation and peace as readily as music. Much has been said lately about the use of the spare time of the American youth. Music can properly have its appeal and use in this respect. Therefore, it has been my endeavor, since becoming supervisor, to instill in the children a love of good music, and a sense of pleasure in taking an active part in creating it, hoping that such activity will be continued outside of school.

In my report for 1928, I spoke of the desirability of having rhythmic orchestras in the lower grades. I am glad to report that we now have five well equipped rhythmic orchestras in Reading. Much credit is due to the teachers who have started these, for it was through their efforts that money was obtained to procure the instruments. Let me restate the benefits of such orchestral work; namely, a sense of pleasure in being able to create music; a growing idea of working together for the good of the whole; a gradual building up of a sense of rhythm, which is an important element of all music.

The value of any subject is greater if it has some leaning upon other subjects, or can be correlated with them. Music lends itself to such correlation, and during the past year we have tried to do it, whenever possible. In May, during the National Music Week, two demonstrations of school music were given to the public. These were sponsored by the Central Parent-Teachers' Association, and made possible by the heartiest cooperation of all the teachers. In these programs, we tried to show work that had been done, correlating music with geography, history, drawing, literature, nature study, and health.

It was recently stated that the sense of rhythm was weaker in the American people than in those of any other nation, due to the fact that we have no national folk dancing. Because of this, special stress upon rhythm was placed by our rhythmic orchestras, by folk dancing, and rhythmic action songs, in the first and second grades. Recently, rhythmic work with balls and the victrola has been started in the third and fourth grades, which seem to be working out satisfactorily.

To a small extent, some creative music work has been accomplished. Different classes have studied a simple poem, discussed the

feeling of it, suggested different tunes, and eventually worked out a simple musical setting for the poem. Work in creative dancing, with a poem as a basis, has also been commenced. I trust that during the coming year more upon this line will be done.

The music in the fifth and sixth grades has shown a gradual progress, both in vocal technique, and also in a more thorough mastery of the musical fundamentals. An orchestra, consisting of eight pieces is under way and promises to be an asset to the school.

The music work with the seventh grade of the Junior High School, is being conducted as last year. The groups meet twice a week, with a chorus period once a week. Good two and three part work is being done by them. A course in music appreciation is being presented to them, with study of the musical compositions, and study of the composers. This seems to be thoroughly enjoyed by the pupils.

A change in the eighth grade work was made this year by Mr. Blaisdell. Instead of having only chorus work, the groups meet twice a week for work with me, with the chorus period under Mr. Porrell's direction. A good tenor part among the boys has been made possible by this arrangement.

I have spoken briefly of the new things undertaken in our music work, but as always, the emphasis has been placed upon tone placement, tone production, group and individual singing, and a graded study of musical theory.

The development of any subject is gradual. I trust, however, that you will think that some degree of achievement has been attained in the music work in the schools during the year 1929.

In closing, I wish to express my appreciation of the teachers, for their splendid cooperation and willingness to undertake new things; my gratitude to the principals for their assistance and helpfulness; and my thanks to you for your constant faith, understanding, and encouragement.

Respectfully submitted,

MARGARET E. WHITTIER.

REPORT OF THE SUPERVISOR OF DRAWING. 1929

Mr. Adelbert L. Safford,
Superintendent of Schools, Reading, Mass.
Dear Sir:

I herewith submit for your approval my report of the work as Supervisor and Teacher of Drawing for the year beginning Sept. 1929: Since September in the lower grades we have taken up the study

of color, nature drawing, lettering, creative concepts, design and poster work.

This work continues in the upper grades but with a more definite knowledge of the art principles. The principles are necessary that the child may learn to express his own ideas more clearly and to appreciate the beauty of the things seen about him in nature, art and everyday life.

I plan to use an ample proportion of the program during the year for creative work. The giving out of ideas in picture form, all through the child's school days, from the elementary through high school, makes drawing a useful and alive subject, not always producing artists, but helps the average child to express his ideas clearly—"to talk with pictures."

A course in Picture Study is being given to the children of the fifth, sixth, seventh, eighth, and ninth grades. In this course we plan to make the study of three well known pictures and their artists.

The pictures are chosen to illustrate particular art theories that are being emphasized in the grade during the year. It is my desire to carry this along in note-book form to each succeeding grade, with the result that each child will have, when leaving the ninth grade, a carefully planned book and the knowledge and appreciation of fifteen or more famous and interesting pictures. Since this work correlates with language and writing in particular, the progress shown from year to year may prove of interest to the teachers of these subjects also. The reason for teaching Picture-Study to children in the schools is to create in them a love for beauty and an appreciation of the best in pictures, to broaden their vision and to teach the correct use of the power of observation. Picture Study not only helps the child in his art work, but in its correlation with other subjects of the school curriculum.

It is unfortunate that the Senior High School classes are as large and so arranged that Sophomores, Juniors and Seniors have drawing the same period. The arrangement gives no chance for a graded program, for if each class were given its suitable lesson, too much time would be taken away from individual criticism, essential in creative work, particularly in the case of High School students. Therefore, a general outline has been given to these pupils. Graded lesson plans have other advantages other than the suitability of problems to the age and grade: two outstanding reasons being—a graded course gives the pupil a consciousness of a definite aim in the work; and the work of the more advanced pupil encourages the lower class pupil to a better technique which inspires him to strive for a certain goal.

Since September we have made a study of color terms in art and nature, craft problems, and work in lettering, much of which has been applied to posters for school activities and of local interest. We are also making a brief study of historic costume, using this as a basis for a

project to recognize types of art of the different ages and to use this analysis for the development of creative work.

In my work I have found the pupils interested and enjoyable to work with, and at this time I wish to thank the Superintendent, the teachers and all concerned with the schools for their helpful co-operation.

Respectfully submitted,

MERCIE V. NICHOLS,

Supervisor of Drawing and Teacher of Drawing in the Senior High School.

REPORT OF SUPERVISOR OF PENMANSHIP, 1929

Mr. Adelbert L. Safford,
Superintendent of Schools, Reading, Mass.
Dear Mr. Safford:

I submit herewith a brief report of the work of the Penmanship Department:

In my previous reports, I have spoken of the importance of good penmanship, the need of establishing a permanent foundation in our schools, and my aims or plans for the future which I hoped might be realized. I am pleased to state that in general, these plans are being realized in a most satisfactory manner.

The Primary Grades

Last year, the first grades did some unusually fine work as shown by the fact that the second grades at the present time are showing the best results of any of the primary grades. These classes should continue to do well as both correct position and letter formation have been firmly stressed. Although marked progress is shown in the work of the third and fourth grades, it is somewhat slower than in the second.

The third grades of course, start using ink for the first time and this retards them somewhat for a few weeks, while the fourth grades were not specially drilled in handwriting in the first grade. Next year, these grades should be doing some fine work.

The children greatly enjoy their writing lessons and the progress made should be largely credited to their enthusiasm and that of the teachers.

Highland Intermediate

The penmanship in the Highland School has so greatly improved, I need only to report on the number of certificates earned to show what was accomplished there last year.

Fifty-six certificates were won in all, four of these being won by pupils of the fifth grades.

35 Grammar Grade Certificates—at least 70%.

21 High or Business Certificates—at least 80%.

The most encouraging part of all, is the fact that the majority of these students "carried over" good writing in all written work, and the pride and enthusiasm shown in their writing lessons was most noticeable.

Junior High School

With such splendid co-operation from Mr. Blaisdell and the teachers of the seventh and eighth grades, one could not fail to achieve the desired results. I stress this co-operative spirit here because in so many towns and cities, the writing in the Junior High School drops below the required standard mainly because of lack of co-operation in correlating handwriting with other subjects.

Here, the seventh and eighth grade teachers list the names of students whose work in writing is below standard. This work must be done over to satisfy both teacher and supervisor. Pupils continue to be excused from class work in penmanship as soon as they reach the required standard. In some classes, as many as twenty are excused out of thirty-five students. Many of these students, however, are doing advanced work in penmanship through choice, such as broad pen lettering, rapid pen lettering, advanced business work, etc.

Many favorable comments were made by visitors last year, on our note-book writing.

I feel very much pleased and encouraged with the progress and enthusiasm shown in these classes. Our certificate record follows:

Grade Seven

65 Grammar Grade Certificates.

37 High or Business Certificates.

2 Advanced.

Grade Eight

79 Grammar Grade Certificates.

77 High or Business Certificates.

10 Advanced.

This makes a total of 270 certificates won by the students of the seventh and eighth grades.

In closing, I wish to express my sincere appreciation to you, Mr. Safford, and to all others who have helped to make our work successful.

Respectfully submitted,

MARGARET A. CAMERON.

REPORT OF THE PRINCIPAL OF THE SENIOR HIGH SCHOOL

1929

Mr. Adelbert L. Safford,
Superintendent of Schools, Reading, Mass.
Dear Sir:

I herewith transmit to you for approval my annual report as Principal of the Reading High School.

Numerically the school has grown in a normal way, there being 29 more pupils than last year; a total of 430 pupils. In June the High School graduated a class of 107 students. These have now gone on to take up their tasks in the work-a-day world or in search of higher school training. All have given evidence of being well prepared for their new tasks, and will, without doubt, add in a splendidly creative way to the numerous excellent records established by the Reading High School Alumni.

Even a cursory examination of the returns from the various colleges indicate that our graduates are continuing to do excellent work. Dartmouth, Smith, Radcliffe, University of Maine, Harvard, Bowdoin, Wellesley, Middlebury and Yale, to mention only a few, number Reading High School students among those doing outstanding work.

As has been noted in previous reports, while general objectives in education seem to be in a process of change, the requirements in the leading Eastern colleges have changed little, and any change has been in the direction of emphasis on more intensive preparation. The colleges still require fifteen units for entrance and we must be sure that the pupils have four full years of preparation. Of course it is possible to take a post graduate year, and in many cases this is advisable. This, however, is not the best procedure for many reasons. I would urge at this time to consider making the regular college course in the High School a four-year course.

This procedure would provide for a little more leisurely preparation and, as a result, would relieve the student from the over-stimulus of the extreme high pressure to which many are subjugated under the present system. It would also allow a little more latitude in the choice of material presented to the student, and should guarantee much better preparation. The heavy investment of time and money in college education should be properly insured by thorough preparation.

The comprehensive plan and the varied opportunities offered in the Reading High School are attempts to meet the needs of all pupils however widely they may differ in ability and in educational objectives. All departments aim to educate for the particular life interests of each group.

The graduates of a comprehensive high school are to be found in various professions, business pursuits and in all kinds of skilled and unskilled labor. In most communities, however, the high school is rated not alone by the success of the majority of its graduates but by the standing and success of those who enter higher institutions of learning. This basis of judging the value of a High School, whether just or unjust, nevertheless is the judgment that high schools must meet. If a high school is unable to have its students pass the increasingly difficult college entrance examinations, or if its students fail to do good work after entering college, that school is criticized severely. One of the great problems that high schools are attempting to meet today is the difficulty of holding students up to the high plane of scholarship necessary to meet the present severe demands of college examinations. College examinations are intended to eliminate a large percentage of those taking them. As mentioned elsewhere, the Reading High School is doing exceedingly well in preparing and keeping its students in college. There is no question but that the work of at least that third of the pupils who are heading towards college is largely created and determined by the dominant control of privately endowed Colleges and universities in New England. However narrow that policy may seem, we are bound to meet these conditions. Of course there are many educators who believe that this requirement on the part of the colleges, that the high schools meet these requirements is based on poor educational psychology. There are, on the other hand, just as many prominent educators on the other side of this question. A few statistics taken from a reliable source may be of interest at this time.

"In New England 76 per cent of those who graduate from High School do not go to college. Of those going to college only five and 9/10 per cent enter through the college examination route. In New England, Harvard, Yale and Massachusetts Institute of Technology are now the only colleges for men requiring college examinations. Wellesley, Wheaton, Mt. Holyoke, Smith and Radcliffe are the colleges for women requiring entrance examinations. Other institutions admit by certificate. Our high school pupils, however, expect to be fitted for any or all colleges. This forces us to adopt the highest standard; that is, college entrance examinations. In recent years because of the tremendous increase in numbers of those wishing to go to college, the colleges have been placed on the defensive. In 1928 in nine colleges from which information is available, 7942 candidates were refused admission. Some colleges have registration lists complete six years in advance. One women's college has had over 600 applications for 165 places. Another examined 1400 candidates for less than 500 places. Many men's colleges have four or five times as many candidates for Freshman classes as there are places. Therefore, it is necessary for the colleges to set a definite limit and any candidates above this num-

ber, no matter how worthy, is refused admission."

The simplest method, of course, for limiting enrollment is to raise the entrance standards. I could quote many additional statistics which all definitely show that entrance to college is becoming increasingly difficult. The Reading High School has met this situation in the past and must continue to improve its methods in order that those pupils who wish to go to college may be definitely prepared. This is one of the reasons that I have urged you above to consider making the High School College Course a four-year course. Even then we will be one year behind numerically, when we compare our curriculum with that of the better college preparatory schools, both public and private.

If the high school is to compete favorably with the best preparatory schools in the country it must insist upon careful and complete home co-operation in the matter of home study. In the private school the pupil is supervised twenty-four hours a day. Special quiet study periods are arranged for. This condition must be approximated at home as nearly as possible. More time for college preparation, smaller classes, grading of pupils according to ability and performance, and good teachers are fundamentals necessary for proper college preparation. This may, although not necessarily, mean a slight increase in cost per pupil, but the citizens of the town should realize that the cost per pupil in private schools runs from 5 to 10 times as much per pupil as in the local High School.

As mentioned in my 1928 report, only such pupils who have the determination, the purpose, the mentality and the industry necessary to do first class work should take the so-called college-preparatory course. The daily record of the pupil indicating his mental stability and ability to perform consistently is one of the determining factors which the colleges use in selecting pupils. Most colleges have done away with fall examinations so that the pupil who is not a consistent performer does not have the opportunity to cram during the summer in order that he may pass examinations in the fall. A few years ago a list of names of Reading High School graduates in college was published in the Town Report. A study of this list is sufficient evidence of the earnest and serious attention given to college preparation work by our teaching staff.

I am below submitting a list of life activities of last year's graduates.

College	24
Higher institutions not college grade	15
Art	2
Commercial	4
Post Graduates	5

Nautical Training	2
Nurse	1
Physical education	1
Office work	30
Skilled labor	4
Unskilled labor	16
At home	3

The Commercial Department of the High School is also doing an excellent piece of work. Our students come to know their work thoroughly if they will apply the effort. Recommended graduates from the Commercial Department find and keep good positions.

The Agricultural Department is as usual doing its work well and continues to attract a group of earnest, industrious workers who are interested in manual work. Its graduates can be found doing successfully in Reading the things they learned to do in school. Many of these young men are rapidly becoming leaders in the agricultural pursuits of their choice.

The art work in the school is progressing well. A great deal of new interest is being developed in spite of the fact that there is a decided lack of equipment and teaching time. The field for art is today expanding in every direction. Commercial art such as is found in advertising is a highly organized profession and yearly needs many new recruits. The demand for trained workers in this field, as well as in the field of teaching art, is increasingly noticeable. Some provision should be made to organize again the drawing room so that at least part of it be reserved entirely for art work. At present the drawing room is simply another recitation room which is used but two periods a day by the class in art. I feel that we should have a minimum of four periods a day for art in order that the instruction, which in this particular field is quite individual, may be available to all those who wish to take this work.

The manual training situation, while not ideal, has been improved to a considerable extent. The reorganized shop in the Highland School which is used by the High School students two periods a day, equipped with several pieces of motor-driven machinery, offers much more than did the old shop. However, here again we are limited in time. We have to crowd a large number of boys into two periods. This situation should be remedied, and more time in Manual Training and other shop work be given to the High School pupils. I would suggest two double periods or four forty-minute periods daily as a minimum.

Had Achilles' mother been properly educated she would not have left her son's heel unimmersed when she dipped him into the Styx, and

so while the High School has become in recent years a school for all the children of all the people, we must be careful to build our courses so that all will be prepared for that which they wish to do next. Students come to the school to prepare for life as a whole. If they are instructed only in some limited phase such as in vocational training it is because they are unaware that life has many phases. We must not allow them to graduate unaware of the major life issues. Nowhere but in the school will they receive this help. To this end we should develop more fully our art courses, manual training courses, cooking courses and sewing courses, but always with the idea of rounding out these courses and not making them purely vocational. In other words the students must become not only vocationally proficient but also have their ethical feelings developed. Ethical feeling is meaningless without the conviction that the outcome of the human adventure depends to some degree on our own efforts. Students must be encouraged to extend themselves, to grasp the things which we know are essential but in which they may perhaps not be, at the time, interested. To build up the body only, may lead to nothing higher than a prize fighter. To train the wits only may lead to the spurious profession of bootlegger or crooked politician. To become a Roosevelt, a Franklin, a Lincoln, or even a less great all-around American citizen, character education based on "doing the next thing next" whether we like it or not should be part of our educational system. Some one has said that "comradeship can live only on common interests." The greater the range, depth and width of these interests, the greater is the possibility of a compatible fellowship. Men and women cannot expect to get along together successfully unless they have a community of interests. To this end a sound introduction to literature, science, history, the classics, mathematics, esthetics and hygiene is necessary for every high school pupil. There is a vast difference between education and culture. That is why we feel there are certain fundamental subjects which all students should study. Intellectual capacities that are not bookish are recognized in our school. A student may not be able to understand the rhetorical flight of some English poet but if he can learn to write a good business letter he will find encouragement in our school system. In order to promote successfully these various interests there should be at hand in the High School a good reference library in charge of a library teacher. The town library is accessible only after school hours and it is impossible for all students to find opportunity to use its shelves or to find many books which they should have access to as often as minimum necessity demands. We appreciate the fact that the Library Trustees are rendering some aid in this direction in that the Library is open from ten to twelve Monday morning but this, or course, is entirely insufficient for high school needs. The library teacher should be one of excellent training and must be very versatile. It should be part of her

duty to assist and tutor those students who find intellectual effort difficult. We have waited long for the development of this department and if we are going to continue to absorb all the students who are sent to us we must make some provision as mentioned above for those students with lower abilities.

A word more about physical education. We have at present two excellent physical education teachers on our staff. They are doing a noble work, as already mentioned; but they need more equipment and more assistants. Our slogan should be "A complete physical program for every boy and girl." This means adequate playing fields, more equipment, and enough assistants so that all the high school pupils may take part in some sport under proper direction.

In conclusion let us not forget that a school is no better than its teachers. Dr. Caswell Ellis, head of Cleveland College, has experimented with a dozen different systems of education. At his direction a professor taught one subject one year in six different ways to different groups. At the end of a year's teaching all of the groups showed that the progress of all the pupils had been practically alike. The system made no difference, the important factor was the teacher. Our teaching staff as a whole has remained loyally "on the job." The vocational teachers, the college teachers and the special teachers all have done well in preparing their pupils for the fields which they expect to enter after graduating from the high school. We have, however, in the past few years lost several good teachers because of low salaries. Our teachers should be rewarded in accordance with the outstanding service they have rendered. I hope it will be made possible for us to keep our excellent teaching staff intact. Few people on the outside realize that it takes a long time to produce a good teacher. William Lyon Phelps, of Yale, recently wrote "Teaching is an art—an art so great and so difficult to master than a man or woman can spend a long life at it without realizing much more than his limitations and mistakes and his distance from the ideal."

Respectfully yours

RUDOLF SUSSMANN.

REPORT OF THE PHYSICAL EDUCATION DEPARTMENT FOR HIGH SCHOOL GIRLS AND ALL ELEMENTARY SCHOOLS

Mr. Adelbert L. Safford,
Supt. of Schools, Reading, Mass.

Dear Sir:

I herewith submit my first report of the work in Physical Education for the High School girls and all Elementary Schools, grades 1 to 4.

The aims of Physical Education are:

1. To satisfy an urgent demand of every healthy boy and girl for muscular activity.
2. To improve posture.
3. To cultivate a sense of fair play and forms of recreation for use in after life.
4. To develop alertness, accuracy, and gracefulness of movement.
5. To establish the habit of daily exercise.
6. To improve the general health of pupils.

High School

The work in the gymnasium for High School girls has been continued along the general lines of that of previous years with some additions.

Marching tactics are used to develop a quick response and obedience to command.

Considerable emphasis is placed on mass corrective exercises for improving the posture.

Through the kindness of Mr. Safford and Mr. Sussmann, a piano was transferred to the gym and folk dancing and clogging were introduced.

Many types of games are played to develop various skills and team spirit.

The classes have been divided into four groups, each with a leader, which have competition in stunts of various kinds demanding a certain amount of muscular skill and co-ordination.

In September, the Senior girls were given Physical Exams by Dr. Henderson, the school physician, and the Juniors and Sophomores were examined by me.

A check of physical defects, such as forward head, round shoulders, flat chest, protruding abdomen, and flat feet was made. The more severe cases were recommended to the Posture Clinic under the direction of Dr. W. R. MacAusland of Boston. In more mild cases, notes were sent home and mothers invited to a conference as to the importance of corrective exercises to be done at home every day in addition to the regular gymnasium work.

Good posture is most important both from the standpoint of looks and of health. The human machine is one of extremely delicate adjustment and balance. The muscles are subjected to varying degrees of strain which may allow the internal organs to sag out of place. As a result, the health may be seriously impaired in time.

The chest should be held high and well expanded—the abdominal wall, flat and firm. The trunk muscles are the keynotes to good posture. The individual must have the desire to improve the appearance, otherwise little is accomplished.

In the Fall, some hockey was played, but, as in previous years, the girls were handicapped by lack of an adequate playing field. By arrangement with Mr. Aldred the football field was used for a short scrimmage twice a week and the infield used for teaching fundamentals. One practice game was played at Stoneham.

The basket ball season brought out a large number of girls and four games with outside schools have been arranged, two as class games, two as school games with a first and second team.

In the Spring it is hoped that baseball, tennis, and volley ball will be featured.

Elementary Grades

This year, for the first time, regular work in Physical Education has been introduced into the first four grades. The supervisor visits each room every two weeks.

In the first and second grades, the program consists largely of three activities which employ large movements with little mental effort.

1. Story Plays which imitate activities and occupations of life around the child. They are a mode of dramatic expression and follow a definite order of movement.

2. Rhythmic Plays, such as singing games and simple folk dances which are correlated with music and teach rhythm, grace and courtesy.

3. Games having few rules and appealing to the imagination or simple chasing games are included.

In the third and fourth grades, formal work begins. This includes marching and corrective gymnastics to counteract the detrimental effect of prolonged sitting.

Games are played which demand greater mental and physical effort and endurance. Here, the games have definite rules.

The work is carried on outdoors as long as possible in the Fall

and as early as feasible in the Spring.

An attempt has been made to have organized recesses at the Center School. The large number of pupils and the extremely small amount of playing space present a great handicap. It would be most desirable if the street in front of the school could be closed to traffic during recess.

In the grades, as at High School, the children were examined for poor posture and notes sent home to parents, inviting them to meetings at the various schools. These meetings were fairly well attended, the importance of good posture explained, and the exercises to be done at home were demonstrated. Special posture classes at each school were formed and they are checked up about every three weeks. If these small children can be interested in attaining good posture, the problem in the Junior and Senior High Schools will not be so difficult.

Orthopedic Clinic

The clinic has now been functioning over a year and has been most successful. This has been due largely to the efforts of Miss Lancaster my predecessor and the fine co-operation of Miss Brown, the Director of Health. Cases needing expert attention are recommended by the Physical Education teachers, the School Physician, and the School Nurse. A diagnosis is made by Dr. MacAusland and treatment prescribed. These children come to a special posture class every week to be checked on the corrective exercises which they are expected to do at home daily.

Silhouettographs are made of each child, showing the habitual standing position and another in the corrective position. These act as a goal toward which to work.

Marked improvement has been shown in many instances.

I should like to make the following recommendations for another year:

At High School:

1. The classes arranged according to the year so that the work might be graded according to skill and difficulty.
2. An outdoor space available for games.
3. Most urgent need of lockers for two hundred girls.
4. At Chestnut Hill School, the playground resurfaced, as now it is largely stones.
5. Most important of all, an assistant to take charge of elementary grades or all posture work.

At this time I wish to express my appreciation to Mr. Safford, Mr. Sussmann, Miss Brown, and the teachers for their interest and co-operation.

Respectfully submitted,

FLORENCE G. NICHOLS, Instructor Physical Education

REPORT OF AGRICULTURAL INSTRUCTOR, 1929

Mr. Rudolf Sussmann Principal,
Reading High School, Reading, Mass.
Dear Mr. Sussmann:

The following report for the Agricultural Department is respectfully submitted:

School opened in September 1928, with an enrollment of 23 in the department. Seven were dropped for various reasons; sixteen completed their projects for the year. Three juniors dropped out for work during the summer; one left to go to college; one to re-enter the regular course. Four seniors received diplomas October 15. This is the largest group to be graduated for a number of years.

The sixteen boys who completed the year's projects and supervised work earned a total of \$6,934.05. Robert Wheeler was high man with a total earned of \$471.40. Albion Froburg and Norman Burns had a close race for second with earnings of \$467.76 and \$467.30 respectively. Four boys with sufficiently high marks in all subjects were permitted to leave school early in May to go to regular jobs. Eight worked nearly full time on Market Garden farms until November 1st. All have maintained satisfactory ranks in other studies than agriculture. The class room work has been carried much the same as in previous years. The majors for 1928-29 were Market Gardening and Dairying.

A number of visits were made to some of the famous dairy herds, market gardens, and poultry farms in the vicinity. The whole class attended the Boston Poultry Show and the great Boston Flower Show of 1929. Nine boys made the trip to Massachusetts Agricultural College to take part in the High School Day exercises and Championship Judging Contests. Most of the boys also took part in the contests at Topsfield Fair. Some made remarkably good scores but none quite made the prize winning class.

The work in automobile repairs was carried on at Mr. Dickinson's shop for the second year and again proved profitable and interesting. We regret that Mr. Dickinson could not take the class for the coming year but feel we are fortunate in finding an able instructor in Mr. William Pitman at Kenney's Service Station. The course will be shortened to eight weeks so the boys can begin on outside spring work earlier.

For a long time it has been felt that some practice should be given in greenhouse operation and floriculture. Because of the large number of boys (14) in the senior division, it was hard to find room and jobs in the shop for all. For those who had a decided preference for floriculture, practice work was found in the Reading Greenhouses

and at Mr. Weston's, so at present all are hard at work and giving a good account of themselves.

Nineteen new members were admitted to the department in September, making the present enrollment of twenty-five the largest for years. The department expects to have three graduates this year and, with the splendid type of boys now coming into it, should maintain its present creditable showing.

Yours very truly,

HERMON T. WHEELER, Instructor.

SENIOR HIGH SCHOOL GRADUATION, JUNE 1929

PROGRAM

MARCHE MILITAIRE Schubert

High School Orchestra

PRAYER—Rev. William M. Crawford

CHORUS—Crimson Rose Joseph W. Clokey

Salutatory

WHAT HIGH SCHOOLS SHOULD DO FOR US

Theron C. Johnson

TORCH ORATION

William D. Carter, President, Class of 1929

BECAUSE—Soprano Solo

Viola Martin Accompanied by Virginia Tucker

ESSAY—Contributions to Reading Through People and Industries

Grace C. Curtis, Class Honors

PRESENTATION OF CLASS GIFTS

William D. Carter, Acceptance by Principal

MIGNONETTE Baumann

High School Orchestra

ESSAY—Our Southern Neighbors

Hope R. Williamson

CHORUS—The House by the Side of the Road Gulesian

Valedictory

CHALLENGED YOUTH REPLIES

Dorothy W. Berle

SINGING OF CLASS SONG Barbara Knight

Senior Class

CONFERRING DIPLOMAS

Carl M. Spencer, Chairman of School Board

BENEDICTION—Rev. Payson E. Pierce

EXIT MARCH—Stony Point Laurendeau

High School Orchestra

CANDIDATES FOR DIPLOMAS, 1929

Accounting Course

Priscilla May Cahoon	Oren Lemuel Crowe
Eleanor Marguerite Clement	Edward Franklin Herrick
Edward Augustus O'Brien	

Agricultural Course

Norman Richard Burns	Harry Esadore Stone
Warren Robert Gray	James Elwell Carter

College Course

John Angus Beaton	Helen Virginia Remick
Dorothy Wheeler Berle	Patricia Catherine Scott
William Daniel Carter	Elizabeth Spencer
Lucille Abbott Cate	S. Katherine Tolman
Marion Arlene Cottle	Virginia Stewart Tucker
Dorothy Adele Cummings	Hope Roberta Williamson
Chandler Shumway Eaton	Frank Wilmer Young, Jr.
Susann Fowler	Leland Jason Zwicker
Ruth Mansfield Frost	Robert S. Spavin
Donald Fowle Johnson	William Lawrence Stanford
Leslie Morgan McAuley	George Carroll Sullivan
Ruth Nodding	Doris Frances Turner
Virginia Corinne Perry	Anna Louise Wilson

Commercial Course

Esther Frances Bangs	Helen Caroline Hatfield
May Christine Barrett	Pearl Eleanor Holmes
Violet Bartlett	Gertrude Marion Loud
Gladys Elizabeth Brown	Ida Mary Monahan
Virginia Warren Clark	Anna Lillian Pransky
Grace Alice Goodwin	Corinne Adelia Swenson

General Course

Ruth Adden	Doris Evelyn Mack
Eunice Janet Albee	Blanche Irene Margeson
Thomas Gilman Barber	Henry Torrey Martin
Dorothy Gertrude Borthwick	Viola Matilda Martin
Mary Madelyn Burrows	James Riddle Mercer, Jr.
Dorothy Ann Clements	Barbara Sally Merrill
John Joseph Connelly	Beulah Frances Munro
Marie Susanna Duval	Albert Perkins Nelson
Chester Albert Ellison	Edward Alexander Phillips
Lois Batchelder Haley	Edward William Richards
Bryce Vernon Horton	Donald Morse Small
Ruth Weymouth Hyde	Robert Edwin Small
Martha Lane	Roger Dickie Smith

Robert Leroy Soule

Normal Course

Walter Prescott Benjamin	Charles A. Harrow
David A. Bowers	Natalie Viola Ives
Donald Bradford Bowman	Dorothy Rogers Kerr
Joseph Robert Boyce	Barbara Frances Knight
Gladys May Burns	Ambrose F. Knowlton
Edward Bradley Burrage	Harold D. Lewis
Richard B. Chesley	George Winchester Playdon
Ida Mae Copeland	Barbara Cook Precourt
Gerald Edward Cummings	Violet M. Richardson
Robert Goodrich Driver	Elinor Guinan Riley
Walter William Goff	Phyllis Hulda Starke
Eleanor VanStone	

Scientific Course

Theron Crawford Johnson	F. Woodward Lewis
Jessie Leonard VanHorn	

Secretarial Course

Mary Alice Carney	Helen Marchetti
Grace C. Curtis	Elsie Caroline Noyes
Esther Helena Downs	Eleanor Dorothy Taylor
Delma Helena Turner	

REPORT OF THE PRINCIPAL OF THE JUNIOR HIGH SCHOOL**1929**

Mr. A. L. Safford,
 Superintendent of Schools, Reading, Mass.
 Dear Sir:

In accordance with your request, I am submitting a report covering certain phases of the Junior High School which seem to me worthy of mention at this time.

In planning the program for the current school year, some changes were made that are making the work of the school more effective. Both the seventh and eighth grades are scheduled two regular class periods for remedial work. The pupils assigned to teachers during those periods are those who are deficient in the requirements of English and mathematics, and in their ability to read with a fair degree of comprehension. These defects greatly hinder the progress of the pupils in their regular class work. Although the number of pupils needing this type of work is large, particularly in mathematics, we are meeting the need as rapidly as time and resources will permit. Pupils not assigned to the remedial

groups are sent to the physical directors for extra work in that department.

Special mention should be made of the remedial work in reading which was given particular attention during the first quarter. Pupils assigned to the remedial groups in the fall in the seventh, eighth, and ninth grades were those who in accordance with standardized tests did not measure up to requirements in their ability to read with comprehension. The requirements were determined by the pupil's grade classification and ability level. At the end of the remedial period, the pupils were again tested, and the results in most cases were gratifying and in many cases, quite remarkable. I believe that the satisfactory results were in part due to the instruction which attempted to show the pupils how to read a paragraph or article and pick out the salient facts or ideas, or in other words, how to study more effectively. I believe that the better scores were made by those pupils who were aroused to greater purposive activity because the teachers were able to show them by standardized tests exactly where they stood in relation to other pupils in their group or class on a grade level of achievement.

The same procedure is being followed at the present time in the seventh and eighth grades relative to remedial work in mathematics and written English.

A slight change has been made in the program to make the spelling more effective. Formerly, spelling was scheduled during the last fifteen minutes of the day in the home rooms. At present, the seventh and eighth grades are scheduled for spelling in two regular class periods. The Washburne plan for teaching spelling has been discarded and a new text book is being used tentatively preparatory to introduction as a basal text book.

A course in vocational information is offered this year as required work in the eighth grade. Vocational information is not a new study in the junior high school field, and has been organized for over ten years as an essential part of the school's aim, among others, to broaden its pupil's horizon relative to the occupational field, and to start the pupil thinking intelligently and more or less critically in regard to his future prospects and ways of achievement. An effort has been made in the past in our own school to include some vocational information as part of the general science and social study courses. This is the first year that it has been presented in an organized way and by a teacher fitted for the task. The time requirement for the course is not exorbitant, as it utilizes one fourth of the time assigned to the elective subject which is French, Business Practice, or Practical Arts. Miss Harriman, who teaches the course, has submitted a brief outline of the work in vocational information from which I will quote as follows:

"Intelligent respect for all forms of labor, and the problems in-

volved in each, is regarded as an integral part of broad culture. There is increasing realization that any plan for a course in Social Studies such as is outlined on the bottom of page 127 of the 1927 Town Report must include general familiarity with the occupational world in which each pupil must play his part, as well as with its other economic and social phases.

"As Mr. Blaisdell has said, such a course is not an experiment but a well established practice in up-to-date schools. We are not guilty of innovation: we are merely 'catching up.' We use the newest, most approved text, 'Vocations,' prepared by Proctor, a pioneer master in the field, supplemented by a reference library which is gradually becoming adequate. It requires much time and labor to fit material to local needs and to special groups. We also use the Brewer vocational rating scales which were prepared several years ago by the Bureau of Vocational Guidance at Harvard and are used all over the country, and the personality rating scale prepared by the National Research Council after several years of intensive research by the leading universities of the country. Through trips to various local industries, and through correspondence with experts all over the country the pupils secure a first-hand acquaintance with the occupational world which vitalizes the book work of the class room. Our class organization follows the widely approved rotating-committee plan devised by the Pittsburg schools. We plan to do three things:

- "1. Expose the pupil to such information as he is able to appreciate regarding the leading occupations and their requirements as to personality, ability, and training.

- "2. Acquaint him with an elementary measure of sane self-evaluation as a guide to him in selection.

- "3. Show him how to prepare himself to meet the requirements of his chosen field in his present and future school course. This includes discussion of the 'use' of the different school subjects, and of extra-curricula activities.

"No attempt is made to steer the pupils into a particular field. The Vocational Guidance movement believes that the best guidance is 'self-guidance;' nor is any attempt made to fix the choice in these tender years. We do, however, discourage the common happy-go-lucky attitude: 'I don't know where I am going, but I'm on my way.' The pupil who is heading somewhere, purposefully, will gain more from his studies than will the aimless pupil, even though his goal changes a dozen times, widening as his horizon widens in knowledge of his world and in self-knowledge."

The problems and functions of a guidance department are well stated by Mrs. Beatrice Cahill in a survey of the Reading Senior High School, published this year. The need, from the point of view of Reading's own graduates and of those who failed to graduate, is well stated.

In my 1927 Town Report, I called attention to the need of a Guidance Department in the Junior High School, and I would call attention to the last two pages of that report which pertains to the purpose of guidance.

From a business point of view, one should readily appreciate the possibility for waste and inefficiency in a departmentalized school of over 500 pupils without some agency to coordinate the different activities of the school for the individual child. The English teacher, the mathematics teacher, the Latin teacher, the French teacher, the shop teacher, the social study teacher sees the pupil in relation to his or her particular subject. The pupil may succeed in some classes and fail in others; he may fail in all classes, or he may get by with a minimum of effort. There may be many reasons for failure: too heavy a program; too many outside interests; placement in the wrong class group; deep seated antagonism against the school, or some subject, or some teacher; poor work habits. Obviously, some agency must be provided to follow the work of each individual child and to evaluate and interpret failures and success in terms of the pupil's ability, environment, and possible future objective, to the end that the pupil may get the most from his junior high school experience. A departmentalized school with its subject specialists and varied activities, and without its logical corollary, a guidance department, in very many cases leaves the child a prey to circumstance, to pupil whims, or to the casual suggestions of friends, resulting in waste of money and of the valuable time of teachers and pupil.

The organization of a guidance department in our Junior High School is in line with the practice in most junior high schools of our size. Whereas, some schools employ a full time guidance teacher, we are following the plan used in Providence which provides for a teacher assigned to approximately 150 pupils whose time should be divided between guidance work and class teaching.

In the Walter S. Parker School, Miss Day is assigned to the seventh grade of approximately 165 pupils: Miss Harriman to the girls of the eighth and ninth grades, numbering about 172 girls; and Mr. Belmore to the boys of the eighth and ninth grades, numbering about 171 boys. These teachers have been decidedly limited in the time allowance for guidance work and are at the present time carrying a teaching load of fifteen, (15) seventeen, (17) and seventeen (17) periods respectively in addition to the supervision of the two lunch periods. The total time permitted by the school program for all three teachers to devote to guidance work is less than the equivalent of one teacher's time.

Some of the specific activities that engage the guidance teacher's time are as follows:

1. Assistance in the make up of class groups.

2. Make up and supervision of groups in remedial work.
3. A follow up of each pupil's record in school activities.
4. Conferences with pupils relative to their work.
5. Conferences with teachers relative to adjustment of individual cases.
6. Conferences with parents regarding the work of pupils.
7. A check up of each report card before it goes home to the parent.
8. In the case of the seventh grade, planning and supervising the activities in the home room period, and in the seventh grade assembly.
9. Some planning of home room activities in the eighth and ninth grades.
10. In the case of the eighth grade, supervision in the choice of a curriculum which takes place at the end of the eighth year.
11. In the case of the ninth grade, help and advice in the choice of tenth year subjects.
12. Weekly conference of all three teachers with the Principal in addition to many individual conferences.

Some of the benefits derived from the work of the guidance teachers are as follows:

1. Cutting down tardiness in the seventh grade.
2. Some preventive work in school absences.
3. A better adjustment of the school to some pupils by:
 - (a) Careful placement in class groups.
 - (b) Special programs in case of special need such as illness, transfer, or consideration of special ability or disability.
 - (c) Bolstering up weak spots through remedial classes.
4. Prevention of failure by anticipating difficulties, thus cutting down loss of teacher and pupil time with resulting saving of money and of pupil discouragement.

I consider the guidance department as one of the most vital parts of the Junior High School. Our department is comparatively new and the teachers are learning each year how to get better results. At the present time, the three guidance teachers are unquestionably carrying a heavier load than other teachers in the school.

If the Junior and Senior High Schools are to properly articulate in the presentation of a six-year secondary school program, provision must be made for the coordination of subjects that are begun in the Junior High School and are continued in the Senior High School. In this connection, I wish to present the policy of the Junior High School relative to the subject of French. Pupils are permitted to elect the subject of French in the seventh grade and to continue it through the ninth grade with little, if any, home work required in the ninth grade. The direct method of presentation is used to quite an extent, and considerable emphasis in the first half of the course is given to pronuncia-

tion, and a familiarity with idiomatic expressions of the language. Easy conversational French is stressed and the whole approach is made from the point of view of teaching the child to use French as a language. It is intended that the three-year course should include the requirements of first year French on a college preparatory basis in order that the pupil may enter second year college preparatory French in the Senior High School. Junior High School pupils are also permitted to elect beginning French in the ninth grade, but the work in this grade, for most pupils, is strictly on a college preparatory basis requiring home preparation and intended to prepare pupils for second year college preparatory French in the Senior High School.

Since the inclusion of the ninth grade as part of the Junior High School, questions have been asked from time to time regarding the pupil load in the ninth year. The following statement is made to clarify the school's policy in this matter. The ninth grade pupils are required to take one major elective and may take two with the permission of the school, in addition to the usual subjects as English, Mathematics and Social Studies, which are required by all. Art and club work are elective subjects in the ninth grade but are not considered major electives, as each is scheduled one period per week. A ninth grade pupil taking the maximum load (two electives, club, and art) still has three periods each week for study in school outside the regular classes. A pupil taking the minimum load (one elective, no art or club) has nine periods for study in school outside the regular classes, or almost one third of the entire school time. When it is remembered that a reasonable amount of home preparation is expected of ninth year pupils, this provision for study in school should be sufficient for every pupil, with the aid of the parent and guidance teacher to adapt a program to his or her needs and ability.

In closing this report, I wish to express my appreciation and gratitude to the teaching corps at the Junior High School for their untiring effort in behalf of the school. A school is no stronger or more progressive than its teachers.

Respectfully submitted,

R. W. BLAISDELL.

REPORT OF THE CENTRAL PRIMARY SCHOOLS AND THE INTERMEDIATE SCHOOL, 1929

Mr. Adelbert L. Safford,
Superintendent of Schools, Reading, Mass.
Dear Sir:

I hereby submit my annual report as Principal of the Union St.,

Center, and Highland Schools:

The organization of the Union St. School and Center School is the same as last year.

Miss Dorothy Williams, who taught a first grade at the Union St. School resigned to be married and Miss Morgan, one of the Salem Normal students, who trained in the Center School last year was elected to fill the vacancy.

The Courtis-Smith Picture Story Reading Method which has been used so successfully in the first grades for the last two years has been extended into the second grades with very pleasing results.

The Thorndike-Wolfarth Speller-Growth in Spelling was introduced in the second and third grades and is proving very satisfactory. After two years work with this book, the pupils should have no difficulty in using the Washburne Individual Speller which is in use in the fourth, fifth and sixth grades.

A new feature of the geography work in the third grade is the use of the Iroquois Geography Work Book. The emphasis of the book is home geography. Beginning with the home environment, the pupils are led to visualize the world in which they live. The topics are presented in story form and by projects with relation to food, shelter and clothing, the pupils are introduced to distant regions.

The teaching staff of the Center School is the same as last year. The work is being carried on as in former years although better work could be done if there were fewer pupils in a room. This difficulty is overcome to some extent as there are pupils from the Salem Normal School training in the second and third grade rooms. These pupil teachers teach one group of pupils while the teacher works with another group or does individual work with backward pupils. Pupil teachers are also training in the fourth, fifth, and sixth grades at the Highland School, and one from the Lesley Normal School is training at the Union St. School.

This year the organization of the Intermediate School was changed. Mrs. Blaisdell resigned in June and Miss Bauer who trained in the building last year was elected to fill the vacancy.

In former years the classes have remained in one room and the teachers have gone from room to room. This year the pupils file to the various rooms. This plan is proving more satisfactory, as by this plan all the material for a subject can be kept in one room and the exercise and relaxation which the pupils have between lessons is beneficial.

The assignment work which was begun last year is being carried on more extensively this year. The plan of assignment is based on the Miller plan which gives the pupil a chance to do supplementary or creative work after he has finished the minimum essentials. Many beautiful projects have been worked out, especially in geography.

The Clark System of Language in Use which has been used in one fifth grade room for two years is being taught in all the fifth grade classes and in one sixth grade class and will probably be used in all the sixth grades next year.

In connection with the physical education work, a Leader's Club has been formed with Miss Buckle as guidance teacher. These leaders act as traffic officers when the lines are filing as well as being leaders during the physical training periods. This is a beginning of student government and we hope to do more next year.

Although the Intermediate School is still in the experimental stage, we feel that we have made some progress during the past year and we are laying the foundation for a better school next year.

Many new pupils from other towns have entered the central district so that with few exceptions the rooms are crowded. Thirty new pupils have entered the Intermediate School so that with one exception those rooms are overcrowded. The third and fourth grade room at the Highland School is also overcrowded. It was necessary in September to send some from this room to the Center School.

If as many pupils enter next September, it will be a problem to find room for them. As it is now, we are not able in the fifth and sixth grades to follow the plan of the Platoon School as much as we would like, as we need another teacher. With another teacher more use could be made of the assembly hall.

At the present rate of increase in the number of pupils, all the rooms in the Highland School will be needed for the intermediate school in a few years. In that case the first four grades would have to be taken care of in some other place; probably in a portable building in the Highland School yard, as the other buildings are well filled.

The grounds behind the Highland School should be resurfaced in order to be in better condition for the games and activities of the physical education department. Miss Florence Nichols, the Physical Training teacher at the High School, has been teaching and supervising the physical education and posture in all the first four grades, and supervising the work of the intermediate school. She is carrying on to some extent the posture work which Miss Lancaster began last year.

Mr. Althoff, Physical Education teacher at the Junior High School has made plans for all the grades but in the intermediate school these plans have not been carried out to a great extent due to the condition of the grounds and lack of the required equipment.

The grounds at the Center and Union St. Schools also need some attention as at certain times they cannot be used for the games which are planned on account of the mud.

The Opportunity School was reorganized in September and the work has been carried on very successfully.

Miss Elizabeth Guarnaccia, who has taught the primary school so

efficiently for the last three years, resigned to accept a position in the Somerville High School.

Mrs. Mildred Barnaby substituted for three months and now Mrs. Marion Richner is teaching the primary group.

The pupils in the upper group are taught handwork, especially work with jig saws. During the year they made many useful things like door stops and tooth brush holders as well as toys. These were exhibited at the close of school in June.

Respectfully submitted,

M. GRACE WAKEFIELD.

Thirty-fifth Annual Report

OF THE

ELECTRIC LIGHT COMMISSIONERS

For the Year Ended December 31

1 9 2 9

OFFICERS OF ELECTRIC LIGHT AND POWER DEPARTMENT

Commissioners

HENRY R. JOHNSON, ChairmanTerm expires 1932
 HERBERT G. EVANS, Secretary.....Term expires 1930
 HARRY P. BAKERTerm expires 1931

Manager

ARTHUR G. SIAS

Office

177 Main Street, Reading, Mass.

MANAGER'S REPORT

To the Municipal Light Board:

Gentlemen: I respectfully submit herewith my report of the operations of the Municipal Light Plant for the year ending December 31, 1929.

The business during the past year has shown a very substantial increase over 1928.

The kilowatt hours delivered at the switchboard increased nearly 27 per cent and kilowatt hours sold and delivered to street lights increased about 26 per cent.

The maximum station load was 2110 K. W. as compared with 1600 K. W. in 1928, but as 62 K. W. represented the capacity requirements of the motor driven equipment in the power station, the actual increase in maximum load was 28 per cent.

The maximum demand on the station occurred December 18 from 4.30 to 5 P. M. and on this date we also delivered the greatest number of kilowatt hours to the switchboard.

The following table shows the kilowatt hours data for 1928 and 1929 with classification of changes.

K. W. HOURS PURCHASED AND SOLD

			Increase or Decrease
K. W. Hours Generated and Purchased	1929	1928	
Generated	103,985		103,985
Purchased	6,362,853	5,097,768	1,265,085
Totals	6,466,838	5,097,768	1,369,070
K. W. Hours Sold			
Lighting—Res. and Com.		1,008,625	1,008,625
Cooking—Res. and Com.		448,253	448,253
Residence Lighting	2,444,555	1,067,096	1,377,459
Commercial Lighting	452,605	155,221	297,384
Commercial Heating	189,148	61,513	127,635
Commercial Power—Retail	1,334,736	892,453	442,283
Commercial Power—Wholesale.	238,150		238,150
Municipal Lighting	85,790	62,459	23,331
Municipal Power	121,652	111,809	9,843
Street Lighting	371,547	343,763	27,784
Police Spot Lights	2,177	1,030	1,147
Sub-Total	5,240,360	4,152,222	1,088,138
K. W. Hours used at Station, Garage and Storeroom	56,368	25,625	30,743
K. W. Hours used for Christmas Illumination	6,622	5,880	742
K. W. Hours Unaccounted for	1,163,488	914,041	249,447
Totals	6,466,838	5,097,768	1,369,070
Per Cent Unaccounted for	18.0%	17.9%	0.1%

The kilowatt hours sold for power increased 68.7 per cent, for lighting, including cooking, heating and refrigeration 13 per cent, and for street lighting 8.4 per cent.

The number of kilowatt hours sold for use in residences was 544 kilowatt hours per meter.

The average cost per kilowatt hour purchased at the switchboard was 1.051 cents, which compares with 1.227 cents in 1928 and is a reduction in the average purchase rate of 14.3 per cent.

The average total production cost including all labor and expenses based on the total kilowatt hours delivered at the switchboard was 1.349 cents as compared with 1.622 cents for the previous year, a reduction of nearly 17 per cent, and the lowest cost in the history of the plant.

The following table shows the classification of costs for 1928 and 1929, based on the total number of kilowatt hours sold and delivered to street lights.

	1928	1929
Production	1.623 cents	1.365 cents
Distribution	1.336 "	1.113 "
Utilization	0.189 "	0.171 "
Commercial	0.237 "	0.279 "
New Business	0.095 "	0.093 "
General and Miscellaneous	1.371 "	1.086 "
Bonds, Notes and Interest.....	0.454 "	0.329 "

Total costs 5.305 cents 4.436 cents

This shows a reduction of 16.4 per cent in total cost per kilowatt hour over the previous year.

The income from sales of current was \$245,942.45, an increase of \$17,527.48 over last year. Most of this increase came from sales of power. The income from power sales was 40 per cent greater than in 1928.

The saving to consumers during 1929 on account of the reduction in rates which went into effect September 1, 1928 was \$14,274.

The amount appropriated for street lighting was \$13,000, which represents an average rate of 4.67 cents per kilowatt hour.

The cost to the Department for the current supplied to the street lights, based on the average cost per kilowatt hour sold and delivered to street lights, was \$12,352.83.

In the following tables a comparison is made of income received from the different classes of business and also income from each town.

Income from Sales of Current

	1929	1928	Increase or Decrease
Lighting, Cooking, Heating and Refrigeration	\$167,344.97	\$160,682.03	\$ 6,662.94
Commercial Power	47,123.95	33,794.22	13,329.73
Municipal Lighting	1,808.50	3,638.51	1,830.01
Municipal Power	3,023.27	3,373.01	349.74
Street Lighting	26,641.45	26,927.20	285.44
Totals	\$245,942.45	\$228,414.97	\$ 17,527.48

Income from Each Town

Reading	\$152,132.51	\$144,165.94	\$ 7,966.57
Lynnfield Center	13,516.86	12,303.32	1,213.54
North Reading	27,971.65	26,050.83	1,920.82
Wilmington	51,961.99	45,692.04	6,269.95
Other Districts	359.44	202.84	156.60
Totals	\$245,942.45	\$228,414.97	\$ 17,527.48

K. W. Hours Sold in Each Town

	1929	1928	Increase or Decrease
Reading	3,601,491	2,924,278	677,213
Lynnfield Center	208,589	166,671	41,918
North Reading	448,998	402,699	46,299
Wilmington	975,476	655,264	320,212
Other Districts	5,806	3,310	2,496
Totals	5,240,360	4,152,222	1,088,138

Operating expenses increased \$14,097.17 as follows: Production expense, for increase in current purchased \$4,008.05, distribution expense for maintenance of lines, and inspecting, testing and removing meters, \$2,842.99, utilization expense for maintenance of consumers installations \$1,105.44, commercial expense for increased labor and office supplies, \$4,754.45, new business expense for special newspaper advertising on rates, \$927.42. General and miscellaneous expenses including depreciation of plant increased \$458.82. Bond, note and interest payments were \$1,621.98 less than last year.

Bonds and notes retired during the year amounted to \$13,800.00. The last of the outstanding notes, amounting to \$1,300.00 will be paid during the coming year. The amount of bonds outstanding December 31st was \$66,000.00, of which \$11,500.00 will be paid in 1930.

Accounts receivable December 31 were \$33,684.80 and accounts payable \$29,954.82.

The value of materials and supplies on hand was \$52,249.77, a decrease from last year of \$523.53.

Bills paid by the treasurer in advance of collection were \$19,230.92.

The profit and loss surplus December 31, was \$97,393.97, an increase of \$14,345.32 over the previous year.

The cost of additions and extension to plant amounted to \$46,961.71.

No Bonds or notes have been issued during the year.

371 new services and 60 additional street lights have been installed.

The following table shows the classification of customers as of December 31st.

	Residence	Com. Ltng.	Com. Htng.	Com. Power	Private St. Lts.	Totals
Reading	2429	274	45	92	19	2859
North Reading	611	52	19	19	9	710
Wilmington	1094	106	16	29	4	1249
Lynnfield Center	363	20	6	11	0	400
Totals	4497	452	86	151	32	5218

New street lights have been installed in Reading on the following public streets: West St., Forest St., High St., Green St., Hopkins St., Lee St., Wenda St., Vine St., Haverhill St., Pinevale Ave., Bancroft Ave., Ridge Road, and Howard St.

Private street lights have been installed on the following unaccepted streets: Hunt St., Bond St., Weston Road, Colburn Road, and Hampshire Road.

The street lights have been burned the following hours: Reading 3989, North Reading 2243, Lynnfield Center 2237 and Wilmington 2238.

The following is the number of each size of street lamps renewed:

	40 c.p.	60 c.p.	100 c.p.	250 c.p.	600 c.p.	1000 c.p	Total
Reading	3	1012	4	113	10		1,142
Lynnfield Ctr.	115						115
North Reading	550						550
Wilmington	822				4		822
	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>		<hr/>
Totals	1,490	1,012	4	113	14		2,633

POWER STATION

The machinery at the station is in good operating condition.

Under the terms of our agreement with the Edison Company we operated our station from November 4 to December 26, except Saturdays, Sundays and holidays, between 3 and 5 in the afternoon.

The maximum load on the generators was 1480 K. W. and the maximum K. W. load on the Edison feeders was 630 K. W.

Two new automatic voltage regulators have been installed at the station on the Wilmington feeders which has made needed improvement in the voltage regulation.

DISTRIBUTION LINES

The three-phase feeder lines to Wilmington have been rebuilt as far as Perry's Corner and the new lines have been run through Washington and High Streets to Lowell Street instead of through Reading square.

This releases the old Wilmington feeders for local use to replace some of the Reading feeders which are now overloaded. New and larger feed wires have been installed from the power station to Sanborn Hill on Main Street to care for the increased load in that direction.

A new line has been built on Haverhill Street between Bay State Road and Wakefield Street and 13-250 candle power General Electric highway lighting fixtures have been installed. We have added to the distribution system during the past year 343 poles, 319,644 feet of wire, 38 transformers, and 120 meters.

In addition we have also renewed 353 defective poles and a large amount of wire.

We have co-operated with the New England Telephone and Telegraph Company in a joint inspection and test of all poles in Reading,

in which either the Town or the Telephone Company had an interest. In all 2540 poles were inspected, those appearing defective were tested and such as were considered safe were given a butt treatment of creosote. As a result of this inspection 466 poles were found which should be renewed during the coming year.

Some of the major improvements in the distribution system which should be made during the coming year in order to improve voltage conditions and reduce the percentage of unaccounted for current are as follows:

Install at the power station two feeder regulators on the pumping station circuit.

Replace the present feeders between the power station and Reading Square with larger copper and install two feeder regulators at the power station on this circuit.

Replace the present feeders on the Wilmington line between Perry's Corner and Wilmington Square with larger copper, change transmission voltage from 2300 to 4000 volts and install one feeder regulator at the power station on this circuit.

Increase the size of feeders on Chestnut Street, North Reading, from Haverhill Street to the Lynnfield line.

The estimated cost of these improvements is \$17,693.31.

Since 1923 the Department has financed from the income of the plant all of the additions and extensions, with the exception of the new garage and storeroom, for which a loan of \$13,000.00 was authorized.

The total amount expended during the past six years for additions and extensions to plant, exclusive of the garage and storeroom, is \$215,-604.10.

The amount available from the depreciation fund was \$138,011.52 and the balance of \$77,592.58 has been taken from operating income.

In 1923 the number of kilowatt hours sold was 2,046,848, and the average income per kilowatt hour 7.42 cents.

In 1929 the number of kilowatt hours sold was 5,240,360 and average income per kilowatt hour 4.44 cents.

Translated in terms of dollars this means a saving to consumers of \$156,162 in 1929.

In 1923 the number of kilowatt hours used on the Reading street light circuits was 183,935 and the appropriation was \$14,800, or an average rate of 8.04 cents per kilowatt hour.

In 1929 the kilowatt hours used was 278,217 and the appropriation \$13,000, or an average rate of 4.67 cents. This reduction is directly due to the increase in kilowatt hours sold and the corresponding decrease in average costs. The operating income together with the depreciation has not been sufficient to take care of the cost of additions and extensions and pay current operating expenses.

In order to provide funds for additions and extensions during 1930,

I recommend a bond issue of \$15,000, to be used in addition to the amount which will be available in the Depreciation Fund.

METERS

One of the results of the new rate for residence service has been the release of over 200 meters for use on new services.

During this year we have started a program of periodic inspection and test of meters in consumers' premises and 1883 meters had been tested, cleaned and re-calibrated up to December 31st. This work is being done under the supervision of the States Engineering and Testing Bureau, of Lynn, at a cost of about 65 cents per meter. Several conditions have been found in connection with this inspection work which amply justify the expense. It is hoped that inspection and test of all meters can be completed during the coming year.

CHRISTMAS DECORATIONS

Following the custom of recent years we again decorated the center of Reading with colored lights during the Christmas holiday season. In addition, this year, the Old South Church, Municipal Building, Library and Bank Building were flood lighted, which added to the attractiveness of the illumination.

We were able to secure the flood lights for this occasion through the courtesy of Mr. D. E. Cogan of the General Electric Co. The street decorations consisted of approximately 2500 colored lamps suspended over the street, and 847 lamps on 125 small Christmas trees attached to the poles. The Christmas trees on the common and parks were decorated with about 270 lamps, and 11-2000 candle power flood lights were used on the buildings. The total expense to the department for current, labor and lamp renewals was \$950.77.

AN EXPERIMENT IN ADVERTISING

During 1929 the Municipal Light Department of the Town of Reading, Massachusetts, conducted an advertising campaign to induce an increase in the use of electricity in the lights, and in the small household appliances of residences already connected to its distribution system. This statement must be construed exactly to appreciate the unique object of the campaign.

It was not a campaign to secure additional residential customers. They come without urging. It was not a campaign to cause residential customers to buy more electrical appliances and thereby increase their consumption. Such campaigns are usual, they have been conducted for years, and such advertising was done by this Department coincidentally with the campaign hereinafter described.

This campaign departed from the customary practice of advertising the appliances which somebody else makes and sells. It advertised directly the electricity which was made and sold by the Department itself. Its object was to induce an increased use of electricity by those

households which were already lighted electrically and were already generally equipped with small electrical appliances.

The occasion for this venture or experiment in advertising is outlined in the following paragraphs.

On the first of September 1928 the Department had established a new domestic rate for electricity. The new rate offered to every household, without restriction, the opportunity to secure electricity at a step rate which went as low as 2.7 cents. During the course of the advertising campaign in 1929 a 1.8 cent step was added to the rate.*

The result of this exceptionally low rate would have been a reduction in the income of the Department unless the sale of electricity could be substantially increased.

A small increase in the sale of electricity was expected from the operation of three causes. The first is the well established tendency of households which have lights and small appliances only, to increase slowly, year by year, the use of electricity. The second is the gradual increase in the number of customers due to the growth of the town. The third is the sale of a comparatively few large-current-consuming de-

*This change in rate explains an apparent inconsistency in the advertisements submitted, if they are viewed as a whole. No attempt was made in this series to feature the change in rate. That was done in the course of the regular advertising by the Department. vices such as ranges and water heaters.

But the rate of increase due to these three causes would be too slow for the income requirements of 1929. In spite of the fact that the town has enjoyed a very favorable rate for years, in spite of the fact that the town is growing steadily, and in spite of the fact that there has been for years a high per-capita sale of large current consuming devices, an analysis showed that eighty per cent of the customers were using only a minimum amount of electricity. Eighty per cent were using electricity as a necessity instead of treating it as a convenience.

It was apparent therefore that if a substantial increase in the sale of electricity was to be secured, some way must be found to increase the use of electricity in the lights and small appliances of the eighty per cent who have neither the means nor the occasion to buy high priced ranges or other large current consuming devices.

The principal difficulty to be overcome in advocating the increased use of electricity by the mass of residential customers is the indifference of the public to the subject, especially to the consideration of electric rates. The public attitude is that rates are low and gradually becoming lower, that anyone can easily afford to pay for the small amount of electricity he has become accustomed to use, and that any subsequent reductions in rates will result merely in a saving of a few cents a month.

After contriving to secure the public attention and interest, the

principal difficulty to be overcome is the lifelong habit, occasioned by the high rates of a generation ago, of treating electricity as a necessity rather than as a convenience; the habit of "saving electricity"; the habit of turning the lights out as soon as "they are not needed"—a habit that is much easier to keep than it is to break.

The object of the advertising campaign was therefore to arouse an interest in the new schedule of household rates and in the possibilities which cheap electricity affords, and to make a beginning at the long task of breaking the habit of "saving electricity."

On account of the various types and classes which make up the mass of the electric customers, comprising as they do the entire population, it was decided to secure attention by appealing to one trait which all possess—the sense of humor. A series of humorous advertisements was planned in which the nature of the humor was to vary according to different tastes, ranging from the obvious to the subtle, and combining both as far as possible in single advertisements.

In view of the influence which is exerted by the young upon the conduct of the home, and in view of the fact that those of high school age will have homes of their own in a few years, it was planned to aim the advertisements at the minds of those of adolescent years.

The habit of "saving electricity" was to be attacked by the most potent means—that of ridicule; thereby not only making a direct attack by the printed page, but also putting into the mouths of the young and impressionable a sententious criticism of the habits of their elders which they would inevitably observe.

This was the plan, but the experiment became so interesting and the scheme proved to be so adaptable that there were sundry departures. The appliance sales division asked for the assistance of this lighter touch. The office management used it to answer inquiries or complaints of a general nature, and it was used to call attention to certain aspects of the service. But whatever might be the subject, the task of clothing the new rate with a popular interest was never neglected.

There are two weekly newspapers which contain the local news of the area which is supplied with electricity by the Department, and they are generally read. It was thought that adequate variety and persistence would result from fifty "messages" a year. Therefore a fixed space and position was taken in each paper for a year.

The appropriation for this experiment was \$1,000. This represented only the cost of the space and the plate maker's charges. Those interested in the experiment designed the advertisements, wrote the texts, and as informality of appearance was desired to increase the departure from the conventional public utility advertising, they could and did do the necessary draughting.

During the year the sale of electricity increased over 20 per cent and the income increased over 10 per cent. About half of the in-

crease can be accounted for by the three causes mentioned in the preceding "Description." As to the rest, there is no way of determining how much is attributable to the advertising and how much is due to the unusually low rate in itself.

But insofar as arousing public interest is concerned, the series was a complete success. The comments and inquiries showed that the number of people who were reached, the liveliness of response, and the range of ages affected—youngsters looking for them as "funnies" and gray-beards looking for them as one of the pranks of the younger generation—exceeded expectations.

More could not be expected, so firmly fixed is the bad habit of "saving electricity." But the response of this year's advertising leads to the belief that a repetition of the series in ensuing years will eventually drive home the idea which they express.

The Auditor's Report, which is included herewith gives the following financial information covering the operation of the plant: Balance Sheet, Statement of Operation, Profit and Loss Account, Detail of Operating Income, Detail of Operating Expenses, List of Accounts Payable and Bonds and Notes Payable, with Accrued Interest.

To incorporate the above as a part of my report would seem to be an unnecessary duplication of figures.

February 8, 1930.

Municipal Light Board,
Reading, Mass.

At your request, we have audited the books and records of the Electric Lighting Department for the year ending December 31, 1929.

Attached and forming a part of our report are the following Schedules and Exhibits:

Schedules

"1"—Comparative Balance Sheet as at December 31, 1929.

"2"—Comparative Statement of Operations for the year ending December 31, 1929.

"3"—Comparative Analysis of Profit and Loss Account for the year ending December 31, 1929.

Exhibits

"A"—Comparative Detail of Operating Income for the year ending December 31, 1929.

"B" Comparative Detail of Operating Expenses for the year ending December 31, 1929.

"C"—List of Accounts Payable—December 31, 1929.

"D"—Bonds and Notes Payable and Interest Accrued Thereon—December 31, 1929.

Plant Investment—\$435,454.86

New construction this year amounted to \$46,961.71. Depreciation taken at rate of 4% on cost of Plant Investment as at January 1, 1929, amounted to \$27,186.35. This leaves a net increase to Plant of \$19,775.36.

General Equipment—\$13,928.50

Increases of \$1,556.99 noted in these accounts. Books were adjusted to physical inventories on this equipment.

Petty Cash Fund—\$250.00

Cash in office was counted and together with receipts for petty disbursements equalled fund.

Consumers' Deposit Fund—\$4,588.21

This fund is handled entirely by employees of the Department. Ledger balance was in agreement with bank.

Accounts Receivable—Consumers—\$21,685.58

Test checks were made of various customers' accounts to determine correctness of balances as shown December 31, 1929.

Accounts totalling \$2,870.61, or 13.2%, were found to be 90 days or more in arrears.

This year, accounts amounting to \$1,726.56 in this class of receivables were considered doubtful of collection and written off as "Bad Debts".

Accounts Receivable—Miscellaneous—\$11,999.22

Individual accounts were checked in detail and found to be in balance with Control. Accounts considered doubtful of collection and written off as "Bad Debts" amounted to \$572.92.

Material and Supplies—\$52,249.77

Inventories on all various supplies as taken by employees of the Department were used as a basis of adjustment.

Inventories were not checked by us.

Prepaid Insurance Premiums Unexpired—\$1,598.20

From policies in evidence, this figure is correct.

Appropriations for Construction—\$30,678.26

No appropriations from general tax levy for construction purposes have been made this year.

Bonds Payable—\$66,000.00

Bonds in the amount of \$11,500.00 have been retired during 1929.

Notes Payable—\$1,300.00

Notes retired during the year amounted to \$2,300.00.

Accounts Payable—\$29,954.82

Represents unpaid items at December 31, 1929, detail of which will be found in Exhibit "C".

Consumers' Deposit—\$4,588.21

Individual customers' records were checked in detail and found to be in agreement with Control.

Interest at the rate of 4% per annum was paid in December 1929 to customers whose deposits had been in custody of the Department 6 months or longer.

Interest Accrued on Bonds and Notes—\$758.16

As shown in Exhibit "D" of this report, the above is interest accrued but not yet due on Bonds (\$747.28) and Notes (\$10.88) outstanding.

Other Accrued Items—Due Town Treasurer—\$19,480.92

Bills paid by Treasurer over and above actual receipts of the Electric Department for this year amounted to \$9,170.68, together with \$10,310.24 paid in prior years brings total due Treasurer \$19,480.92.

Considering this fact, together with the amount of "non-current" Accounts Payable, it is evident that the working capital of the Department is insufficient, in our opinion.

Interest on amounts advanced by Town Treasurer is not accrued on books of the Lighting Department.

Loans Repayment—\$291,600.00

This account shows increase of \$13,800.00, the amount of Bonds and Notes retired during year.

Profit and Loss Balance—\$97,393.97

Net increase for year is noted as \$14,345.32 after taking into consideration Bond and Note Payments.

Operating Revenue—\$246,385.65

Shows increase of \$17,527.03 or 7.7% over 1928.

Operating Expenses—\$212,100.46

Shows increase of \$14,097.17 or 7.1% over 1928. Ratio of Expenses to Revenue this year shows a slight decrease of 5-10ths of 1%.

General

In addition to \$27,186.35 being taken for Depreciation, \$18,696.19 has been expended for Maintenance of Physical Property.

List of bonded employees as furnished by the Department showed one employee on list who has left employ, Ruth Wescott Christie, and does not contain the names of two employees who; we believe, should be bonded, Miss Birnie, stenographer, and Mr. Bertwell, service man. We are informed, however, that applications for bonds will be filed at an early date.

We believe that the "perpetual inventory" should be installed by this Department in order that—

1. Closer touch on receipt and disbursement of material may be had.

2. Costs of material used for new construction and maintenance may be more easily accessible.

3. Inventory adjustments may be made at various times during the year, eliminating the uncertain adjustments necessitated now at end of year which retards "closing of books".

4. More accurate control of accounting for stock.

Respectfully submitted,

CHARLES E. STANWOOD AND SONS, INC.

By Charles E. Stanwood, Certified Public Accountant (Mass.).

**TOWN OF READING—MUNICIPAL LIGHT DEPARTMENT
COMPARATIVE BALANCE SHEET—DECEMBER 31
SCHEDULE "1"**

ASSETS

		1929	1928	Increase Decrease
Plant Investment:				
111	Land	\$ 2,575.80	\$ 2,575.80	\$ 0.00
113	Structures	36,960.60	37,288.37	327.77
114	Boiler Plant Equipment	27,888.62	30,676.49	2,787.87
115	Prime Movers and Aux- iliaries	11,645.34	12,805.88	1,160.54
116	Turbo-Generator Units ..	18,094.98	19,969.81	1,874.83
117	Electric Plant—Steam	26,865.36	26,002.47	862.89
125	Poles, Fixtures and Over- head Conductors	211,520.55	188,274.68	23,245.87
128	Consumers' Meters	40,627.36	40,820.43	193.07
129	Consumers' Meter Instal- lation	6,440.88	5,749.14	691.74
130	Line Transformers	39,466.31	38,252.55	1,213.76
131	Transformer Installation	4,346.87	4,374.53	27.66
132	Street Lighting Equipment	8,825.35	8,675.35	150.00
133	Consumers' Premises Equip.	196.84	214.00	17.16
TOTAL PLANT INVESTMENT		\$435,454.86	\$415,679.50	\$ 19,775.36
General Equipment:				
150	Office Equipment	\$ 7,887.55	\$ 7,116.36	\$ 771.19
152	Stores Equipment	582.66	564.27	18.39
153	Transportation Equipment	4,200.00	3,500.00	700.00
154	Laboratory Equipment ..	1,258.29	1,190.88	67.41
TOTAL GENERAL EQUIPMENT		\$ 13,928.50	\$ 12,371.51	\$ 1,556.99
TOTAL INVESTMENTS		\$449,383.36	\$428,051.01	\$ 21,332.35
Current Assets:				
204-3	Petty Cash Fund	\$ 250.00	\$ 250.00	\$ 0.00
205-2	Consumers' Deposit Fund	4,588.21	2,235.75	2,352.46
207-1	Accounts Receivable — Consumers'	21,685.58	19,167.67	2,517.91
207-2	Accounts Receivable —			

	Miscellaneous	11,999.22	15,913.21	3,913.99
209-1	Materials and Supplies			
	General:	23,155.59	31,028.29	7,872.70
	Station Tools and Appli- cances	714.97	726.46	11.49
	Distribution Tools and Appliances	3,166.97	2,032.44	1,134.53
	Printing and Office Sup- plies	779.82	1,289.25	509.43
	Office Improvement Sup- plies	2,218.29	1,164.98	1,053.31
	Lamps and Appliances ..	21,769.76	14,411.49	7,358.27
	Coal Supplies	176.20	1,575.16	1,398.96
	Station Supplies	268.17	545.23	277.06
	TOTAL CURRENT ASSETS .	\$ 90,772.78	\$ 90,339.93	\$ 432.85
Prepaid Items				
214	Prepaid Insurance	\$ 1,598.20	\$ 408.73	\$ 1,189.47
	TOTAL ASSETS	\$541,754.34	\$518,799.67	\$ 22,954.67
LIABILITIES AND SURPLUS				
Appropriations				
301	Appropriations for Con- struction	\$ 30,678.26	\$ 30,678.26	\$ 0.00
Bonds and Notes				
305	Bonds Payable	\$ 66,000.00	\$ 77,500.00	\$ 11,500.00
306	Notes Payable	1,300.00	3,600.00	2,300.00
	TOTAL BONDS & NOTES	\$ 67,300.00	\$ 81,100.00	\$ 13,800.00
Current Liabilities				
308	Accounts Payable	\$ 29,954.82	\$ 32,732.82	\$ 2,778.00
309	Consumers' Deposits	4,588.21	2,235.75	2,352.46
	TOTAL CURRENT LIABIL- ITIES	\$ 34,543.03	\$ 34,968.57	\$ 425.54
Accrued Items				
314	Interest Accrued on Bonds and Notes	\$ 758.16	\$ 893.95	\$ 135.79
315	Other Accrued Items — Loan Due—Town Treasurers ..	19,480.92	10,310.24	9,170.68
	TOTAL ACCRUED ITEMS	\$ 20,239.08	\$ 11,204.19	\$ 9,034.89
Appropriated Surplus				
322	Loans Repayment	\$291,600.00	\$277,800.00	\$ 13,800.00
	TOTAL LIABILITIES	\$444,360.37	\$435,751.02	\$ 8,609.35
	Profit and Loss—Balance	\$ 97,393.97	\$ 83,048.65	\$ 14,345.32
	TOTAL LIAB. AND SURPLUS	\$541,754.34	\$518,799.67	\$ 22,954.67

SCHEDULE "2"

TOWN OF READING—MUNICIPAL LIGHTING DEPARTMENT

COMPARATIVE OPERATING STATEMENT — TWELVE MONTHS ENDING DECEMBER 31

Acct.	No.	Revenue from Sales of Electric Energy	1929	1928	INCREASE		RATIOS	
					DECREASE		1929	1928
E501-1	Metered Sales—Lighting	\$	0.00	\$ 81,230.21	\$81,230.21		—	35.4
E501-1	Metered Sales—Residence Lighting		128,638.20	42,721.41	85,916.79		52.2	18.6
E501-1-	Metered Sales—Commercial Lighting ..		32,085.82	10,931.27	21,154.55		13.1	4.8
E501-2	Metered Sales—Heating and Cooking .		0.00	12,828.45	12,828.45		—	5.6
E501-2	Metered Sales—Commercial Heating ..		6,370.35	2,238.39	4,131.96		2.6	1.0
E501-1	Metered Sales—Combination		0.00	10,529.46	10,529.46		—	4.6
E501-3	Metered Sales—Power—Wholesale		5,592.25	10,451.74	4,859.49		2.3	4.6
E501-3	Metered Sales—Power—Retail		41,422.86	23,342.48	18,080.38		16.8	10.2
E505-1	Sales to Other Companies		359.44	202.84	156.60		.1	.1
E505-2	Street Lighting		26,641.76	26,927.20	285.44		10.8	11.8
E505-3	Municipal Revenue		4,831.77	7,011.52	2,179.75		1.9	3.1
TOTAL REVENUE FROM SALES OF								
ELECTRIC ENERGY			\$245,942.45	\$228,414.97	\$17,527.48		99.8	99.8
E508	Rent from Property used in Operation	\$	443.20	\$ 443.65	.45		.2	.2
TOTAL OPERATING REVENUE			\$246,385.65	\$228,858.62	\$17,527.03		100.0	100.0

Electric Operating Expenses

1. Production	\$ 71,418.27	\$ 67,410.22	\$ 4,008.05	29.1	29.5
2. Transmission and Distribution ..	58,324.56	55,481.57	2,842.99	23.7	24.2
3. Utilization	8,985.10	7,879.66	1,105.44	3.6	3.5
4. Commercial	14,600.07	9,845.62	4,754.45	5.9	4.4
5. New Business	4,873.98	3,946.56	927.42	1.9	1.7
6. General and Miscellaneous	53,898.48	53,439.66	458.82	21.9	23.3

TOTAL OPERATING EXPENSES	\$212,100.46	\$198,003.29	\$14,097.17	36.1	86.6
NET OPERATING REVENUE	\$ 34,285.19	\$ 30,855.33	\$ 3,429.86	13.9	13.4

E550

Uncollectible Operating Revenue

E551

Taxes Assignable to Electric Operations

NET OPERATING INCOME	\$ 693.28	624.09	\$ 348.11	69.19	
NET OPERATING INCOME	\$ 31,168.19	\$ 27,459.41	\$ 3,708.78		

Non-Operating Income

E560 Merchandise and Jobbing Revenue ..	\$ 462.17	\$ 41.37	\$ 420.80		
E563 Interest Income	47.23	64.00	111.23		
E566 Miscellaneous Non-Operating Income ..	3.00	36.25	33.25		

TOTAL INCOME	\$ 31,586.13	\$ 27,601.03	\$ 3,985.10		
Deductions from Total Income					
E576 Interest on Bonds and Notes	\$ 3,440.81	\$ 4,062.79			

NET INCOME	\$ 28,145.32	\$ 23,538.24	\$ 621.98		
NET INCOME			\$ 4,607.08		

SCHEDULE "3"
TOWN OF READING
MUNICIPAL LIGHT DEPARTMENT
COMPARATIVE PROFIT AND LOSS ANALYSIS—DECEMBER 31

	1929	1928	Increase Decrease
Balance—January 1	\$ 83,048.65	\$ 74,310.41	\$ 8,738.24
Credits:			
Net Income from Exhibit "B"....	28,145.32	23,538.24	4,607.08
TOTAL CREDIT	\$111,193.97	\$ 97,848.65	\$ 13,345.32
Charges:			
Bonds Paid	\$ 11,500.00	\$ 11,500.00	
Notes Paid	2,300.00	3,300.00	1,000.00
TOTAL CHARGES	\$ 13,800.00	\$ 14,800.00	\$ 1,000.00
Balance—December 31	\$ 97,393.97	\$ 83,048.65	\$ 14,345.32
Net Increase in Profit and Loss for year	\$ 14,345.32	\$ 8,738.24	\$ 5,607.08

TOWN OF READING
MUNICIPAL LIGHT DEPARTMENT
COMPARATIVE DETAIL OF INCOME—JAN. 1 TO DEC. 31

	1929	1928	Increase Decrease
Metered Sales—Lighting			
Reading	See	\$ 49,632.24	\$ 49,632.24
Lynnfield Center	Residence	5,227.57	5,227.57
North Reading	Lighting	8,657.37	8,657.37
Wilmington		17,713.03	17,713.03
Total Lighting Income		\$ 81,230.21	\$ 81,230.21
Metered Sales—Residence Lighting			
Reading	\$ 74,635.80	\$ 24,319.68	\$ 50,316.12
Lynnfield Center	9,576.49	3,121.64	6,454.85
North Reading	15,368.82	5,127.52	10,241.30
Wilmington	29,057.09	10,152.57	18,904.52
Total Res. Lighting Income	\$128,638.20	\$ 42,721.41	\$ 85,916.79
Metered Sales—Power—Retail			
Reading	\$ 31,919.72	\$ 19,203.33	\$ 12,716.39
Lynnfield Center	433.93	256.05	177.88
North Reading	3,235.16	2,173.78	1,061.38

Wilmington ,	5,834.05	1,709.32	4,124.73
Total Power Income	\$ 41,422.86	\$ 23,342.48	\$ 18,080.38
Metered Sales—Cooking and Heating			
Reading	See	\$ 7,714.56	\$ 7,714.56
Lynnfield Center	Commercial	656.44	656.44
North Reading	Heating &	2,012.30	2,012.30
Wilmington	Residence	2,445.15	2,445.15
	Lighting		
Total Cooking and Heating Inc. \$		\$ 12,828.45	\$ 12,828.45
Metered Sales—Combination			
Reading	See	\$ 6,956.73	\$ 6,956.73
Lynnfield Center	Residence	545.65	545.65
North Reading	Lighting	1,038.18	1,038.18
Wilmington		1,988.90	1,988.90
Total Combination Income \$		\$ 10,529.46	\$ 10,529.46
Metered Sales—Commercial Lighting			
Reading	\$ 21,371.94	\$ 7,037.38	\$ 14,334.56
Lynnfield Center	1,007.37	336.76	670.61
North Reading	3,702.67	1,429.55	2,273.12
Wilmington	6,003.84	2,127.58	3,876.26
Total Com. Lighting Income .. \$	\$ 32,085.82	\$ 10,931.27	\$ 21,154.55
Metered Sales—Commercial Heating			
Reading	\$ 3,681.43	\$ 1,334.19	\$ 2,347.24
Lynnfield Center	377.34	82.02	295.32
North Reading	1,148.12	451.45	696.67
Wilmington	1,163.46	370.73	792.73
Total Com. Heating Income ... \$	\$ 6,370.35	\$ 2,238.39	\$ 4,131.96

TOWN OF READING
MUNICIPAL LIGHT DEPARTMENT
COMPARATIVE DETAIL OF INCOME—Jan. 1 to Dec. 31

	1929	1928	Increase Decrease
Metered Sales—Power Wholesale			
Reading	\$ 2,691.85	\$ 7,456.31	\$ 4,764.46
Lynnfield		105.91	105.91
North Reading	559.10	1,215.26	656.16

Wilmington	2,341.30	1,674.26	667.04
Total Commercial Power Inc...	\$ 5,592.25	\$ 10,451.74	\$ 4,859.49
Sales to Other Electric Companies			
Wakefield	\$ 105.84	\$ 71.50	\$ 34.34
Lowell	104.92	46.38	58.54
Lawrence	108.84	82.80	26.04
Peabody	6.24	2.16	4.08
Edison Electric Illuminating Co..	33.60		33.60
Total Sales to Other Companies	\$ 359.44	\$ 202.84	\$ 156.60
Municipal Revenue			
Street Lighting			
Reading	\$ 13,000.00	\$ 13,500.00	\$ 500.00
Lynnfield Center	2,121.73	1,971.28	150.45
North Reading	3,957.78	3,945.42	12.36
Wilmington	7,562.25	7,510.50	51.75
Total Street Lighting Income..	\$ 26,641.76	\$ 26,927.20	\$ 285.44
Buildings			
Lighting	\$ 1,808.50	\$ 3,638.51	\$ 1,830.01
Power	3,023.27	3,373.01	349.74
Total Income from Mun. Bldgs.	\$ 4,831.77	\$ 7,011.52	\$ 2,179.75
TOTAL INCOME FROM SALES OF ELECTRIC ENERGY	\$245,942.45	\$228,414.97	\$ 17,527.48

NOTE:

Due to changes in classification of Income this year, certain parts of this exhibit are of no comparative value.

TOWN OF READING
MUNICIPAL LIGHTING DEPARTMENT
COMPARATIVE DETAIL OF OPERATING EXPENSES
JANUARY 1 TO DECEMBER 31

	1929	1928	Increase Decrease
Production Expenses			
601 Superintendence and Labor..	\$ 585.96	\$ 105.00	\$ 480.96
606 Boiler Fuel	1,501.98		1,501.98
607 Water for Steam	59.50	74.95	15.45
608 Lubricants		73.36	73.36
609 Station Supplies	1,099.37	2,087.27	987.90

611 Maintenance of Station Structures	772.36	695.21	77.15
612 Maintenance of Boiler Plant Equipment	225.72	756.97	531.25
613 Maintenance of Steam Engines		1.53	1.53
614 Maintenance of Turbo-Generator Units	226.24	991.47	765.23
615 Maintenance of Electric Generator Equipment	15.80	48.15	32.35
616 Maintenance of Accessory Electric Equipment	32.73	23.47	9.26
634 Electric Energy Purchased...	66,898.61	62,552.84	4,345.77
Total Production Expense....	\$ 71,418.27	\$ 67,410.22	\$ 4,008.05
Transmission and Distribution			
636 Transfor. Station and Substation Superintendence and Labor	\$ 8,540.16	\$ 8,684.51	\$ 144.35
637 Transfor. Station and Substation Supplies and Expense	7,293.88	6,601.36	692.52
638 Operation of Transmission & Distribution Lines	19,586.90	21,469.19	1,882.29
639 Transmission and Distribution Supplies and Expense ..	321.91	292.14	29.77
640 Inspecting & Testing Meters	2,511.64	1,481.45	1,030.19
641 Removing & Resetting Meters	2,704.63	1,643.37	1,061.26
642 Removing & Resetting Transformers	838.97	577.52	261.45
646 Maintenance of Transfer Station and Sub-Station.		310.26	310.26
647 Maintenance of Transmission & Distribution Lines....	15,530.40	13,626.70	1,903.70
650 Maintenance of Consumers' Meters	322.07	213.34	108.73
651 Maintenance of Transformers	674.00	581.73	92.27
Total Transmission & Distribution Expenses	\$ 58,324.56	\$ 55,481.57	\$ 2,842.99
	1929	1928	Increase
			Decrease
Utilization Expenses			
654 Municipal Street Lamps—Labor	\$ 879.17	\$ 954.76	\$ 75.59

655 Municipal Street Lamps— Supplies and Expenses..	1,765.01	2,027.90	262.89
657 Maintenance of Municipal Street Lamps	821.95	1,786.93	964.98
659 Maintenance of Consumers' Installations	5,518.97	3,110.07	2,408.90
Total Utilization Expenses.....	\$ 8,985.10	\$ 7,879.66	\$ 1,105.44
Commercial			
660 Commercial Salaries	\$ 10,741.95	\$ 8,078.01	\$ 2,663.94
661 Commercial Supplies and Ex- pense	3,858.12	1,767.61	2,090.51
Total Commercial Expenses ..	\$ 14,600.07	\$ 9,845.62	\$ 4,754.45
New Business Expenses			
662 New Business Salaries.....	\$ 1,833.75	\$ 2,562.50	\$ 728.75
663 New Business Supplies and Expenses		15.67	15.67
664 Advertising	3,040.23	1,368.39	1,671.84
Total New Business Expenses..	\$ 4,873.98	\$ 3,946.56	\$ 927.42
Miscellaneous and General Expenses			
666 Salary of Manager	\$ 5,200.00	\$ 5,200.00	\$
667 Salaries of General Office Clerks	4,104.00	5,793.09	1,689.09
668 General Office Supplies and Expenses	1,561.02	1,956.22	395.20
669 General Office Rents	1,774.09	410.22	1,363.87
671 Insurance	5,299.42	6,133.57	834.15
673 Accidents & Damages	75.00	62.44	12.56
674 Store Expenses	4,221.82	2,458.84	1,762.98
675 Transportation Expense	3,313.77	1,631.30	1,682.47
676 Inventory Adjustments	874.89	3,214.85	2,339.96
677 Maintenance of General Structures	51.42	13.93	37.49
678 Depreciation	27,186.35	25,951.68	1,234.67
679 Miscellaneous General Exp..	236.70	613.52	376.82
Total Miscellaneous and Gen- eral Expenses	\$ 53,898.48	\$ 53,439.66	\$ 458.82
TOTAL OPERATING EXPENSES...	\$212,100.46	\$198,003.29	\$ 14,097.17

TOWN OF READING—MUNICIPAL LIGHT DEPARTMENT
ACCOUNTS PAYABLE—DECEMBER 31, 1929

DATE	NAME	AMOUNT
Nov. and Dec.	General Electric Co.	\$ 783.87
Oct. Nov. and Dec.	F. S. Hardy & Co.	165.72
Sept. to Dec.	Geo. H. Wahn Co.	398.68
November	Simplex Wire & Cable Co.	6.24
Oct. and Dec.	Landers, Frary & Clark	191.11
Nov. and Dec.	Kelvinator Sales Corp.....	736.16
Oct.—Dec.	Home Elec. Lt. & Pr. Equipment Co....	383.61
Nov.—Dec.	Edison Electric Illuminating Co.....	13,785.80
Nov.—Dec.	Geo. H. Buckminster Co.....	1,296.46
Nov.—Dec.	Vye Neill Co.	610.55
Oct.—Dec.	Wetmore Savage Elec. Supply Co.	414.75
Oct.—Dec.	National Lamp Works	828.31
Nov.—Dec.	Kelvinator Sales Cor.	100.65
Nov.—Dec.	M. S. Wright Co.	104.08
Oct.—Dec.	Woburn Mach. Co.	329.57
December	Milhender Elec. Supply Co.	26.25
November	Electric Master, Inc.	383.00
November	L. B. Renfrew Gray	248.85
October	Whirldry Corporation	232.20
Oct.—Dec.	John Swen	1,517.00
Oct.—Dec.	Walker & Pratt Mfg. Co.....	607.35
Oct.—Dec.	U. S. Rubber Co.....	22.00
September	American Steel & Wire Co.	37.00
December	Aetna Elec. Appliance Co.....	20.90
December	Am. Elec. Serv. & Maint. Co.	58.24
December	Arrow Service	6.00
December	M. F. Charles	16.00
December	Century Electric Co.	2.27
December	Chase, Parker & Co., Inc.	9.75
December	Davis & Abbot	1.00
December	Frank S. Eaton	13.10
December	Electric Mach. & Inst. Co.....	8.00
December	Eureka Vacuum Cleaner Co.	5.80
December	Fay Kearns Elec. Supply Co.....	30.50

December	Federal Engraving Co.	24.70
December	T. C. Fife, Inc.	12.86
December	G. C. A. Mfg. Co.	12.00
December	P. A. Geier Co.	10.14
December	General Electric Supply Corp.....	99.61
December	Gray & Webster Motor Sales	2.35
December	Graybar Electric Co., Inc.	167.53
December	H. N. Hartwell & Son, Inc.....	186.36
December	Hewitt Electric & Mfg. Co.....	33.00
December	Hobbs & Warren, Inc.	11.36
December	John S. Hoyt.....	5.50
December	Lewis Electric Supply Co.....	70.38
December	Malone Bros. Co.....	9.90
December	Lowell Oil Heating Co., Inc.....	67.70
December	H. B. McArdle	24.45
December	National Electric Products Corp.	10.00
December	Railway Express Agency	12.73
December	Rome Wire Co.	60.00
December	Fred F. Smith	64.36
December	Spaulding Moss Co.	6.59
December	Standard Underground Cable Co.	110.00
December	States Eng. & Test Bureau.....	28.65
December	S. R. Stembridge Co.	3.30
December	Taylor Instrument Co.	8.89
December	Town Treasurer	146.28
December	Wagner Electric Corp.	319.46
December	Wilmington News	15.40
December	Andrew Myerson Co.	31.50
December	Artfilm Studios, Inc.	12.00
December	Van I. Bennett	21.57
December	Chases Auto Express .....	.25
December	Cummings Express Co.	37.35
December	E. B. Currell & Son	35.40
December	Geo. W. Davis Co.....	26.93
December	Eastern Mass. St. Ry. Co.....	63.74
December	Fitzgerald Mfg. Co. ....	.88
December	Jefferson Glass Co.....	35.30
December	N. E. Tel. & Tel. Co.....	152.45

December	Prentiss & Parker	1,198.92
December	Reading Chronicle	139.60
December	Reading Motor Co., Inc.	67.65
December	Reedy Specialty Co.	4.10
December	Robbins Phalon Co.	4.84
December	John Swen	11.00
December	R. W. Totten	420.63
December	Martin B. Hartshorn	1,716.49
December	E. E. Harnden	50.55
December	F. J. Burke	77.68
December	Guilford M. Palmer	35.99
December	Lee & Osborn	432.21
December	Dana H. Barber	3.00
December	Ernest W. Eames	40.00
December	Hydgrade Lamp Co.	9.23
December	G. H. Atkinson Co.	9.06
December	Wendell Bancroft & Co.	5.21
December	Bangs Garage	4.90
December	John Baumgarth Co.	26.78
December	Clapp & Leach, Inc.....	155.74
December	Kenney Service Station	163.72
December	Alex Lindsay.....	1.00
December	R. A. Lufkin.....	8.66
December	Fred I. Wilkins	2.35
December	Boston & Maine R. R.	53.67
December	Dyer Clark Co.....	262.48
December	Electric Time Co.	122.21
December	Gulf Refining Co.....	59.44
December	Auto Glass Co.	7.00
December	Automatic Elec. Heater Co.	1.13
December	Francis Bros.	20.26
December	Van Alstine	31.58
December	Lowell Electric Light Corp.....	11.82

TOTAL \$ 29,954.82

TOWN OF READING MUNICIPAL LIGHT DEPARTMENT
BONDS AND NOTES PAYABLE--DECEMBER 31, 1929

EXHIBIT "D"

BONDS

No. of Issue	Date Authorized	Date Issued	Original Amount	Payments of Principal	Rate of Int.	Int. Payable	Bal. Payable Accrued Dec. 31, '29	Purpose
1	August 1894	10- 1-1894	\$ 50,000.00	\$1,000. yearly 10 years 2,000. yearly 20 years	4	Apr. 1-Oct. 1	\$ 0.00 \$ 0.00	Establishing Plant
2	May 1907	10- 1 1907	26,000.00	1,000. yearly 26 years	4½	Apr. 1-Oct. 1	4,000.00	Additions
3	June 1911	7-15-1911	20,000.00	2,000. yearly 10 years	4	Jan. 15-July 15	0.00	Wilmington
4	August 1913	10-15-1913	23,500.00	1,500. yearly 9 years	4¼	Apr. 15-Oct. 15	3,000.00	Station
5	Sept. 1914	9-15-1914	8,000.00	1,000. yearly 10 years	4½	Mar. 15-Sept. 15	500.00	Reading
6	March 1916	5-15-1916	10,000.00	500. yearly 20 years	4	Nov. 15-May 15	3,500.00	New Construction
7	March 1917	10- 1-1917	55,000.00	3,000. yearly 18 years	4½	Apr. 1-Oct. 15	19,000.00	Additions
8	October 1918	1- 1-1919	12,000.00	1,000. yearly 1 year 1,000. yearly 4 years 500. yearly 16 years	4½	Jan. 1-July 1	5,000.00	Additions
9	March 1919	4- 1-1919	20,000.00	1,000. yearly 20 years	4¾	Oct. 1-Apr. 1	10,000.00	Additions
10	March 1920	5- 1-1920	20,000.00	1,000. yearly 20 years	5	Nov. 1-May 1	11,000.00	Additions
11	Dec. 1923	12- 1-1923	10,000.00	1,000. yearly 10 years	4½	June 1-Dec. 1	4,000.00	Additions
12	March 1926	8- 1-1926	13,000.00	3,000. yearly 1 year 2,000. yearly 5 years	4	Feb. 1-Aug. 1	6,000.00	Garage and Storeroom

Total Bonds and Accrued
Interest on Bonds.....

\$66,000.00 \$ 747.28

NOTES

1	March 1895	5- 1-1896	\$ 7,000.00	\$1,400. yearly	5 years	4	Nov. 1-May 1	\$	0.00	\$	0.00	Construction of Plant
2	March 1896	5- 1-1896	7,000.00	1,400. yearly	5 years	4	Nov. 1-May 1		0.00		0.00	Construction of Plant
3	Dec. 1896	12- 9-1896	1,500.00	1,500. yearly	1 year	4	June 9-Dec. 9		0.00		0.00	Construction of Plant
4	March 1898	7-15-1898	3,000.00	1,000. July 15, 1901		3¾	Jan. 15-July 15		0.00		0.00	New Generator
				2,000. July 15, 1904								
5	March 1903	12- 7-1903	1,400.00	1,400. Dec. 7, 1906		4	June 7-Dec. 7		0.00		0.00	Renewal of Note
6	March 1909	11-15-1909	2,500.00	1,000. Nov. 15, 1910		4	May 15-Nov. 15		0.00		0.00	Lynnfield Centre Lines
				1,500. Nov. 15, 1911								
7	Nov. 1909	1-21-1910	1,800.00	1,800. Jan. 3, 1913		4	July 21-Jan. 21		0.00		0.00	New Construction
8	Jan. 1910	3-27-1910	12,000.00	1,000. yearly 12 years		4	Sept. 27-Mar. 27		0.00		0.00	New Construction
9	June 1911	7- 2-1911	2,200.00	2,200. July 12, 1912		4	Jan. 12-July 12		0.00		0.00	North Reading Lines
10	March 1913	4-16-1913	13,500.00	1,500. yearly 9 years		4¼	Oct. 16-Apr. 16		0.00		0.00	New Construction
11	March 1915	5-15-1915	12,000.00	800. yearly 15 years		4	Nov. 15-May 15		800.00		4.00	New Construction
12	March 1915	7-15-1915	4,000.00	500. yearly 8 years		4	Jan. 15-July 15		0.00		0.00	Reading
13	March 1917	9-22-1917	6,500.00	500. yearly 13 years		5	Mar. 22-Sept. 22		500.00		6.88	New Construction
14	Nov. 1919	11-20-1919	3,000.00	1,500. yearly 2 years		5	May 20-Nov. 20		0.00		0.00	New Construction
15	March 1921	7- 1-1921	7,000.00	1,000. yearly 7 years		6	Jan. 1-July 1		0.00		0.00	Additions
16	Dec. 1922	12-15-1922	7,000.00	1,000. yearly 7 years		4¼	June 15-Dec. 15		0.00		0.00	Additions
<hr/>												
Total Notes and Accrued												
Interest on Notes.....			\$ 91,400.00					\$	1,300.00	\$	10.88	
<hr/>												
Total Bonds and Notes												
and Accrued Interest			\$358,900.00					\$	\$67,300.00	\$	758.16	

The following is my estimate of the expenses of the plant and income for the year ending December 31, 1930.

ESTIMATE FOR 1930

EXPENSES

For Operation, Maintenance and Repairs	\$194,462.00
For Interest on Bonds and Notes	2,966.00
For Depreciation at 4% on cost of Plant	29,064.83
For Bond Payments	11,500.00
For Note Payments	1,300.00
For Taxes	2,000.00
For uncollectible Operating Revenues.....	2,500.00
<hr/>	
Total Expenses	\$243,792.83

INCOME

From Sales to Private Consumers.....	\$254,776.00
From Sundry Sales	500.00
From Tax Levy	
For Municipal Departments	\$ 5,609.00
For Street Lights	12,000.00 17,609.00
<hr/>	
Total Income	\$272,885.00

The following pages contain comparative and other data from the records of the plant.

Respectfully submitted,

ARTHUR G. SIAS,

Manager.

The reports of the manager and auditor, as herewith submitted are approved by us.

HENRY R. JOHNSON,

HERBERT G. EVANS,

HARRY P. BAKER,

Municipal Light Board.

PLANT INVESTMENT ACCOUNTS—ELECTRIC

PLANT INVESTMENT		Balance Jan. 1, 1929	1929 Additions	1929 Deprec.	Balance Dec. 31, 1929
111	Land	\$ 2,575.80	\$		\$ 2,575.80
113	Structures	20,900.09			\$ 20,900.09
113-3	Structures—Garage	16,388.28		327.77	16,060.51
114	Boiler Plant Equipment	30,676.49		2,787.87	27,888.62
115	Prime Movers & Aux.	12,805.88		1,160.54	11,645.34
116	Turbo Gen. Units	19,969.81		1,874.83	18,094.98
117	Electric Plant—Steam	26,002.47	\$ 2,643.46	1,780.57	26,865.36
125	Poles, Fixt. & O'Head Cond.	188,274.68	36,228.45	12,982.58	211,520.55
128	Consumers' Meters	40,820.43	2,181.76	2,374.83	40,627.36
129	Consumers' Meters Inst. ...	5,749.14	1,016.84	325.10	6,440.88
130	Line Transformers	38,252.55	3,513.22	2,299.46	39,466.31
131	Line Transformers Inst.....	4,374.53	235.82	263.48	4,346.87
132	Street Lighting Equipment .	8,675.35	1,142.16	992.16	8,825.35
133	Consumers' Prem. Equipment	214.00		17.16	196.84
Total Plant Investment		\$415,679.50	\$ 46,961.71	\$ 27,186.35	\$435,454.86
GENERAL EQUIPMENT					
150	Office Equipment	\$ 7,116.36	\$ 771.19		\$ 7,887.55
152	Stores Equipment	564.27	18.39		582.66
153	Transportation Equip.	3,500.00	2,405.80	1,705.80	4,200.00
154	Laboratory Equipment	1,190.88	67.41		1,258.29
Total General Equipment...					
Grand Total		\$ 12,371.51	\$ 3,262.79	\$ 1,705.80	\$ 13,928.50
Grand Total		\$428,051.01	\$ 50,224.50	\$ 28,892.15	\$449,383.36

TOTAL COST OF PLANT

As of December 31, 1929

Cost of Land	\$ 2,575.80	
Cost of Structures	44,252.47	
		<hr/>
		\$ 46,828.27

Generating Plant—Steam:

Cost of Boiler Plant Equipment	\$ 69,696.71	
Cost of Prime Movers and Auxiliaries	29,013.38	
Cost of Turbo Generator Units	46,870.83	
Cost of Electric Plant—Steam	47,157.75	
		<hr/>
		\$192,738.67

Transmission, Distribution and Storage:

Cost of Poles, Fixtures and Overhead Con....	\$324,734.74	
Cost of Consumers' Meters	61,552.51	
Cost of Consumers' Meters Installation.....	9,144.40	
Cost of Line Transformers	60,999.80	
Cost of Transformers Installation	6,822.88	
		<hr/>
		\$463,254.33

Utilization Equipment:

Cost of Street Lighting Equipment	\$ 25,946.19	
Cost of Consumers' Premises Equipment....	428.99	
		<hr/>
		\$ 26,375.18

Total cost of Electric Plant as shown by the books	\$729,196.45
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CASH BALANCES AT CLOSE OF YEAR

Petty Cash Loan for Treasurer	\$ 250.00
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DEPRECIATION FUND ACCOUNT**DEBITS**

Balance of account at beginning of year		
Amount transferred from income		\$ 27,186.35
		<hr/>
Total		\$ 27,186.35

CREDITS

Amount expended for construction purposes.....	\$ 27,186.35	
Balance on hand at close of year		

MATERIALS AND SUPPLIES

Coal	\$ 176.20	
Oil	47.08	
Electrical Appliances	21,769.76	
Miscellaneous Materials and Supplies	30,256.73	
		<hr/>
Total		\$ 52,249.77

CONSTRUCTION FUND**DEBITS**

Balance at beginning of year	
Transferred from Depreciation Fund	\$ 27,186.35
Construction sold during year	4,379.25
Transferred from Operating Fund	17,155.71
Total	\$ 48,721.31

CREDITS

Amount expended for Additions and Extensions	\$ 48,721.31
Balance at close of year	

OPERATION FUND**DEBITS**

Balance at beginning of year	\$10,060.24
Received from sale of electricity	245,942.45
Received from appropriations for St. Lights ..	13,000.00
Received from Miscellaneous Items	44,952.51
Total Debits	\$293,834.72

CREDITS

Expenditures for Operating Accounts	\$213,020.93
Bonds Paid	11,500.00
Notes Paid	2,300.00
Interest Paid	3,440.81
Amount Transferred to Depreciation Fund	27,186.35
Amount Transferred to Construction Fund	17,155.71
Total Credits	\$274,603.80
Balance due Treasurer	19,230.92
	\$293,834.72

LAMP AND APPLIANCE DEPARTMENT**Appliances Sold in 1929**

Air Heaters	36
Christmas Candle Sets	27
Single Candles	181
Christmas Tree Sets	96
Corn Poppers	10
Curling Irons	18
Egg Cookers	28

Electric Beaters	5
Fans	25
Fireless Cookers	25
Flat Irons	161
Grills	34
Heating Pads	34
Hot Plates	3
Ironers	11
Refrigerators	78
Kitchen Aid	1
Motors	22
Percolators	50
Portable Lamps	75
Ranges	58
Sewing Machines	3
Telechron Clocks	13
Toasters	96
Vacuum Cleaners	63
Vibrators	1
Violet Ray	2
Waffle Irons	80
Water Heaters	27
Water Pumps	12
Washing Machines	45

The estimated annual kilowatt hours used by the above appliances is 200,641 and estimated annual revenue about \$9,500.00.

DATA FROM RECORDS OF PLANT

Kilowatt Hours Manufactured	103,985
Kilowatt Hours Purchased	6,362,853
Kilowatt Hours for Reading Street Lights	278,217
Kilowatt Hours Sold	5,240,360
Kilowatt Hours used at station and office	56,368
Kilowatt Hours unaccounted for	1,163,488
Coal used—net tons	387
Average cost of coal per net ton	\$3.783
Poles added	343
Poles renewed	353
Feet of wire added	319,644
New Services Installed	371
New Street Lamps Installed	60

Connected Load Dec. 31, 1929

Number of customers	5,221
Horse Power in Motors	2,354.25

Number of Public Street Lights	1,691
Number of Private Street Lights	32

READING

Number of customers Dec. 31, 1929	2,859
Number of 40 candle power public street lights	3
Number of 60 candle power public street lights	545
Number of 100 candle power public street lights	15
Number of 250 candle power public street lights	88
Number of 400 candle power public street lights	10
Number of 600 candle power public street lights	46
Number of 1000 candle power public street lights	4
Number of 60 candle power private street lights	16
Number of 100 candle power private street lights	3
Number of 250 candle power private street lights	0
Horse Power in Motors	1,789
Income for year	\$ 152,132.51

LYNNFIELD CENTER

Number of customers December 31, 1929	401
Number of 40 candle power public street lights	160
Number of 40 candle power private street lights	0
Horse power in motors	23.5
Income for year	\$ 13,516.86

NORTH READING

Number of customers December 31, 1929	711
Number of 40 candle power public street lights	298
Number of 40 candle power private street lights	9
Horse power in motors	290.25
Income for year	\$ 27,971.65

WILMINGTON

Number of customers December 31, 1929	1,250
Number of 40 candle power public street lights	508
Number of 600 candle power public street lights	14
Number of 40 candle power private street lights	4
Horse power in motors	251.50
Income for year	\$ 51,961.99

COST OF DISTRIBUTION SYSTEM IN OUTSIDE TOWNS**LYNNFIELD CENTER****Total Investment December 31, 1929:**

Poles, Fixtures & Overhead Cond.	\$ 28,078.98
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Consumers' Meters	4,674.24	
Line Transformers	2,593.96	
Street Lighting Equipment	1,790.56	\$ 37,137.74

NORTH READING**Total Investment December 31, 1929:**

Poles, Fixtures & Overhead Cond.	\$ 57,199.17	
Consumers' Meters	8,436.34	
Line Transformers	6,906.63	
Street Light Equipment	2,683.99	\$ 75,226.13

WILMINGTON**Total Investment December 31, 1929:**

Poles, Fixtures & Overhead Cond.	\$ 97,866.40	
Consumers' Meters	12,870.72	
Line Transformers	8,568.73	
Street Lighting Equipment	4,123.46	\$123,429.31
Total Investment—Outside Towns		\$235,793.18
Income—Outside Towns 1929		\$ 95,533.36

TABLE A

Year	Income from Sale of Electricity	Income from Other Sources	Appropriations for Street Lights	Appropriations for Tax Levy	Construction	Production Expense	Distribution and Utilization Expense	Miscellaneous Expense	Interest	Depreciation	Bond and Note Payment	Total Cost of Plant December 31
1910	\$25,668.87	\$ 604.88	\$10,000.00	\$ 270.00	\$13,228.57	\$3,271.76	\$4,429.32	\$2,535.75	\$3,556.00	\$4,000.00	\$4,000.00	\$135,992.62
1911	31,317.40	410.77	5,800.00	1,000.00	13,066.25	6,353.77	5,753.84	2,767.00	4,079.78	4,500.00	4,500.00	144,714.06
1912	37,171.93	599.07	5,000.00	5,500.00	17,546.87	5,605.41	5,605.18	3,018.21	4,143.80	7,200.00	7,200.00	173,091.96
1913	44,664.70	671.87	6,000.00	5,076.19	20,054.99	10,705.42	10,214.88	3,515.40	4,788.80	6,800.00	6,800.00	202,518.81
1914	49,799.75	791.14	4,500.00	4,132.07	19,014.03	7,784.82	8,697.05	4,453.33	6,051.08	9,000.00	9,000.00	233,509.58
1915	51,603.32	640.25	10,500.00	none	18,292.78	10,329.83	7,730.32	4,640.42	6,972.28	9,500.00	9,500.00	254,349.09
1916	61,900.01	911.69	5,000.00	none	22,261.19	13,986.22	8,316.39	4,704.99	7,597.47	10,800.00	10,800.00	269,898.27
1917	67,593.64	2,422.92	8,750.00	none	30,460.16	14,557.81	11,577.08	5,070.43	8,096.95	11,300.00	11,300.00	285,428.29
1918	78,096.09	1,537.86	11,000.00	none	41,006.13	13,572.51	11,311.54	6,882.24	8,529.85	14,800.00	14,800.00	348,871.06
1919	100,844.10	1,100.11	14,450.00	none	45,006.98	13,864.14	13,874.46	7,416.21	10,419.76	14,800.00	14,800.00	389,564.73
1920	126,152.11	1,094.66	11,000.00	none	56,187.74	17,085.95	17,142.48	7,850.70	15,507.13	18,300.00	18,300.00	421,048.20
1921	135,886.69	219.20	17,500.00	none	52,738.98	24,453.15	16,594.65	7,423.10	16,767.55	19,300.00	19,300.00	449,540.12
1922	155,505.14	451.50	15,300.00	none	55,137.36	22,473.04	38,489.58	6,807.64	17,959.59	16,800.00	16,800.00	477,852.76
1923	166,783.32	464.31	14,800.00	none	62,619.57	20,247.54	15,607.11	6,437.28	19,011.08	15,800.00	15,800.00	505,983.28
1924	177,889.16	1,373.72	12,000.00	none	61,286.63	25,898.28	30,817.91	6,174.57	20,136.30	15,800.00	15,800.00	530,147.28
1925	185,492.72	1,112.19	11,000.00	none	73,140.10	28,272.55	34,188.95	5,482.46	21,102.86	13,800.00	13,800.00	568,524.09
1926	201,956.03	467.05	12,000.00	none	83,478.94	29,349.46	31,167.10	5,100.14	22,637.93	12,800.00	12,800.00	615,915.35
1927	221,343.72	599.88	13,500.00	none	67,661.31	50,863.76	34,551.95	4,763.62	24,533.58	15,800.00	15,800.00	651,367.92
1928	228,414.97	585.27	13,500.00	none	67,410.22	63,361.23	44,676.08	4,062.79	25,951.68	14,800.00	14,800.00	682,234.74
1929	245,942.45	861.14	13,000.00	none	71,418.27	67,309.66	49,303.18	3,440.81	27,186.35	13,800.00	13,800.00	729,196.45

TABLE B

Year	K. W. H. Generated	K. W. H. Purchased	K. W. H. Sold	K. W. H. Delivered to Readg St. Lights	K. W. H. Used to Statn Stock Rm	% Appliance R'm	Unaccount for	Net Tons of Coal Used	Average Cost of Coal Per Ton	Number of Customers	Number of Street Lights	Horse Power in Motors
1910	698,597		300,361	227,100	16,269	154,367	1,748.3	3,461	3,461	738	269	116 1-2
1911	771,011		367,317	244,055	15,403	144,236	1,807.6	3,341	3,341	888	382	215
1912	919,282		481,801	242,033	13,307	182,141	2,247.8	3,741	3,741	1,078	698	242 1-4
1913	1,045,592		599,893	255,744	15,283	174,672	2,680	3,941	3,941	1,263	903	272
1914	986,476		578,709	187,590	15,283	204,894	2,496.4	3,666	3,666	1,390	993	313 7-10
1915	980,688		548,607	156,505	10,403	265,173	2,298.2	3,578	3,578	1,599	1,181	381
1916	1,231,677		751,735	170,810	13,916	295,216	2,741.7	3,934	3,934	1,805	1,225	441
1917	1,291,216		812,507	168,535	12,464	297,710	3,086.7	6,348	6,348	1,964	1,295	492
1918	1,318,546		976,121	125,820	10,573	206,032	3,348.8	7,875	7,875	2,083	1,303	672
1919	2,056,834		1,358,028	172,948	189,067	336,791	3,640	7,517	7,517	2,333	1,339	886
1920	2,297,237		1,444,960	175,704	257,999	418,574	3,615	10,352	10,352	2,617	1,363	812.5
1921	2,193,092		1,471,698	178,892	146,206	396,296	3,308.4	10,171	10,171	2,939	1,473	1,120.5
1922	2,609,076		1,583,716	183,250	276,477	565,633	3,791.5	9.00	9.00	3,234	1,481	1,197.5
1923	3,039,677	3,520	2,046,848	183,935	342,189	470,225	4,577.7	8.94	8.94	3,666	1,494	1,367.5
1924	3,572,588		2,463,602	209,738	392,281	506,967	3,379.5	6.503	6.503	4,058	1,537	1,281.8
1925	4,051,182	25,495	2,848,309	241,476	383,152	578,245	6,317.7	6,358	6,358	4,472	1,572	1,395.2
1926	3,600,580	819,787	3,071,944	249,386	366,352	732,685	5,740.2	6,488	6,488	4,786	1,602	1,429
1927	406,693	4,396,397	3,676,545	261,361	58,249	806,935	947	6,609	6,609	5,017	1,635	1,630.9
1928	none	5,097,768	3,898,620	259,482	25,625	914,041	204	6,354	6,354	5,085	1,655	1,723.5
1929	103,985	6,362,853	5,240,360	278,217	56,368	1,163,488	378	6,783	6,783	5,221	1,723	2,354.25

TABLE C

Production Costs Per K. W. H. Based on Total K. W. H. Delivered
at Switchboard

K. W. H.		Repairs and other			Total
Year	Purchased	Fuel	Labor	Station Expense	Costs
1910		.0086	.0075	.0026	.0187
1911		.0078	.0069	.0021	.0168
1912		.0091	.0071	.0027	.0189
1913		.0101	.0070	.0020	.0191
1914		.0092	.0082	.0017	.0191
1915		.0085	.0087	.0013	.0185
1916		.0087	.0071	.0022	.0180
1917		.0144	.0075	.0015	.0234
1918		.0200	.0085	.0025	.0310
1919		.0133	.0066	.0019	.0218
1920		.0162	.0071	.0009	.0242
1921		.0153	.0077	.0009	.0240
1922		.0131	.0066	.0014	.0211
1923		.0134	.0057	.0014	.0205
1924		.00979	.0055	.00166	.01695
1925		.00991	.0054	.00272	.01803
1926	.0285	.01034	.0056	.00212	.0200
1927	.01116	.01205	.00246	.00390	.01743
1928	.01227	None	.00170	.00225	.01622
1929	.01051	.01444	.00141	.00150	.01349

TABLE D

Average Cost Per K. W. H. As Defined by Chapter 164, General Laws

	1912	1913	1914	1915	1916	1917	1918	1919	1920
Operating Costs:	.0397	.0483	.0362	.0586	.0467	.0577	.0538	.0509	.0558
Fixed Costs:	.0198	.0176	.0254	.0299	.0261	.0249	.0274	.0213	.0259
Total Costs:	.0595	.0659	.0616	.0885	.0728	.0826	.0812	.0722	.0817
	1921	1922	1923	1924	1925	1926	1927	1928	1929
Operating Costs	.0640	.0561	.0494	.0377	.0442	.0448	.0395	.0414	.0359
Fixed Costs:	.0330	.0278	.0185	.0138	.0131	.0129	.0115	.0116	.0085
Total Costs:	.0970	.0839	.0679	.0515	.0573	.0577	.0510	.0530	.0444

LIST OF EMPLOYES BONDED

Item No.	Name	Position	Amount	Premium
2	Addie M. Putney	Collection Ag. N. R.	\$1,000.00	\$2.50
3	George M. Roundy	Collection Ag. L. C.	1,000.00	2.50
4	Clarence L. Thomas	Asst. Sup. Dist. R.	1,000.00	2.50
6	Arthur G. Sias	Manager—Reading	1,000.00	2.50
8	Edward O. Herrick	Serv. Dept. Mgr. Rea.	1,000.00	2.50
10	John R. Anderson	Service Man “	1,000.00	2.50
16	Paul E. Lane	Rec. Rm Clerk “	1,000.00	2.50
18	Charles E. Tasney	Collector “	1,000.00	2.50
21	Hazel C. Killam	Cashier “	1,000.00	2.50
22	Christine Cheney	Ledger Clerk “	1,000.00	2.50
24	John W. Babine	St. Lt. Service “	1,000.00	2.50
25	Kathleen H. Merritt	Ledger Clerk “	1,000.00	2.50
26	Edward E. Harnden	Salesman “	1,000.00	2.50
29	Ralph G. Babcock	Office Manager “	1,000.00	2.34
30	Benjamin J. Downs	Meter Reader “	1,000.00	2.34
31	Leonard C. Whittredge	Bookkeeper “	1,000.00	1.85
32	Doris S. Parker	Clerk “	1,000.00	1.85
33	Joseph B. McMahon	Collector—Wilm.	1,000.00	1.85
34	Harold Metcalf	Meter Reader—Rea.	1,000.00	1.06
36	Merrill P. Reed	Service Dept. “	1,000.00	1.04
37	Frank J. Burke	Salesman “	1,000.00	.91

Ninth Annual Report

OF THE

BOARD OF PUBLIC WORKS

For the Year Ended December 31

1 9 2 9

To the Citizens of Reading :

The Board of Public Works reorganized on March 6, 1929, and elected Mr. Samuel H. Davis, Chairman; and Mr. Harold W. Putnam, Secretary, after which preparation was made for the Annual Town Meeting.

The Board advised that an additional standpipe of 1,000,000 gallons capacity costing about \$35,000.00 was necessary to insure a proper reserve and to give adequate fire protection. After a very thorough discussion, a majority of those present voted in favor of the appropriation, but as the expense was to be carried by a Bond issue a two-thirds vote was necessary and the motion was lost.

However, after the extremely dry weather of 1929 the Board realizes more than ever the urgency of the matter of sufficient supply and storage capacity, and with that in mind has engaged the services of the firm of Metcalf and Eddy, Engineers, to make a thorough investigation and report as to the possibility of increasing the water supply from within the town and as to the best location for the additional standpipe.

During the year the surface drainage system was enlarged very materially by the construction of the drain from the corner of Mt. Vernon and High Streets to Washington Street, with two new concrete culverts, one in Cross Street and one in Ash Street.

A section of permanent street construction was laid on High Street from Mt. Vernon to Woburn Streets, and it is hoped that more permanent work may be done during the coming year, so that the cost of yearly maintenance may be reduced accordingly.

Some granolithic sidewalks were laid upon application of the abutters, but the Board is of the opinion that the most satisfactory way to make such improvements is under the Betterment Act, whereby the abuttor has about ten years in which to pay his half of the cost of construction, instead of paying one-half before the construction is started. The Board feels that work should be started in the Square and gradually radiate on the most important streets. Good sidewalks are of great importance to the proper growth of our town.

A considerable amount of new drainage work is planned during the coming year, which will afford relief to areas which heretofore have been greatly troubled by surface water.

Our Common, Parks and Playgrounds need to have considerable done upon them to bring them to anything like a respectable condition. New loam, reseeding and rolling is necessary for a good growth of grass and then proper cutting and rolling to maintain the lawn. The Board has asked for money to purchase a motor mower to do this work properly and intends to assign one man to have charge of this work and to devote his whole time to it.

If the Town does not vote to accept the Planning Board's recommendations with regard to the Square, the Board feels that it must give special attention to beautifying and improving the appearance of the Common. In its present condition it is a disgrace to the Town.

SAMUEL H. DAVIS, Chairman.

HAROLD W. PUTNAM, Secretary.

MARTIN B. HARTSHORN,

MILES C. HIGGINS,

WILLIAM T. FAIRCLOUGH,

Board of Public Works.

SUPERINTENDENT'S REPORT

To the Board of Public Works:
Gentlemen:

As required by Section 4, Chapter 118, of an Act authorizing the Town of Reading to establish a Board of Public Works, I respectfully submit for your consideration the ninth annual report of the Department of Public Works (Water, Highway, Sewer and Park), including a financial report of each department, and a chronicle of the principal work performed with recommendations for the coming year.

WATER DEPARTMENT

Maintenance Account:

Receipts:

Cash Balance, 1929	\$ 8,083.82
Meter Rates	45,346.27
Hydrant Rental	7,910.00
Service Pipe Construction	1,759.10
Miscellaneous Receipts	1,063.51
Total	\$ 64,162.70

Expenditures:

1. Office Maintenance:

Pay Roll	975.00
Supplies, Printing, Insurance,	
Investigation, etc.	3,770.29

Total	\$ 4,745.29
-------------	-------------

2. Pumping Station Costs:		
Pay Roll	\$ 3,853.20	
General Repairs	470.32	
Supplies and Misc.	4,964.19	
	<hr/>	
Total		\$ 9,287.71
3. Filter Costs:		
Pay Roll	\$ 2,314.00	
Electric Power	469.75	
Supplies, Misc.	1,179.73	
	<hr/>	
Total		\$ 3,963.48
4. Maintenance of Meters:		
Pay Roll	\$ 1,559.25	
Supplies and Repairs	1,557.18	
Total		\$ 3,116.43
5. Maintenance of Service Pipes:		
Pay Roll	657.07	
Tools and Supplies	258.37	
	<hr/>	
Total		\$ 915.44
6. Maintenance of Main Pipes:		
Pay Roll	326.75	
Miscellaneous Supplies	27.54	
	<hr/>	
Total		\$ 354.29
7. Maturing Bonds paid from Re-		
ceipts	\$10,000.00	
	<hr/>	
Total		\$ 10,000.00
8. Bond Interest paid from Re-		
ceipts		\$ 2,287.50
9. Air Compressor Maintenance:		
Electric Power	1,692.20	
Repairs	10.69	
	<hr/>	
Total		\$ 1,702.89
10. Automobile Truck Maintenance:		
Repairs and Supplies		\$ 437.68
11. Shop Maintenance:		
Pay Roll	\$ 66.92	
Repairs and Supplies	198.19	
	<hr/>	
Total		\$ 265.11

12. Main Pipe Construction:		
Pay Roll	\$ 850.77	
Fittings and Misc. Supplies ..	\$ 857.12	
	<hr/>	
Total		\$ 1,707.89
13. Service Pipe Construction:		
Pay Roll	\$ 2,280.63	
Pipe, Tools and Misc. Supplies	2,168.78	
	<hr/>	
Total		\$ 4,449.41
14. Meter Construction:		
Meters	\$ 2,338.46	
Supplies	92.99	
	<hr/>	
Total		\$ 2,431.45
15. Hydrants and Drinking Fountains:		
Pay Roll	\$ 918.10	
Repairs, Fittings and Supplies	773.06	
	<hr/>	
Total		\$ 1,691.16
Grand Total Expenditures:		<hr/> \$47,355.73
Balance Cash on Hand:		\$16,806.97
Main Pipe Extension Account:		
Balance Jan. 1, 1929		\$ 1,945.30
Expended 1929:		
Pay Roll	\$ 722.72	
	<hr/>	
		<hr/> 722.72
Balance		\$ 1,222.58
Cost of Plant December 31, 1928: ..		\$499,388.95
Expended 1929:		
Main Extension, Maintenance Account	\$ 1,707.89	
Main Extension, Construction Account	722.72	
Meters	2,431.45	
	<hr/>	
Total		\$ 4,862.06
Total Cost of Plant Dec. 31, 1929		<hr/> \$504,251.01

REGISTRATION REPORT

Amount of bills (metered water) rendered in 1929		\$45,717.00
Amount collected and paid Treasurer	\$45,328.42	
Amount uncollected	163.80	
Amount abated	224.78	
	<hr/>	<hr/>
	\$45,717.00	\$45,717.00
Amount of bills (metered water) of previous years uncollected		24.85
Amount collected and paid Treasurer	17.85	
Amount uncollected	1.00	
Amount abated	6.00	
	<hr/>	<hr/>
	\$ 24.85	\$ 24.85
Amount of Service Pipe (construction) bills rendered in 1929		\$ 1,718.69
Amount of bills of previous years uncollected		\$ 327.55
Amount collected and paid Treasurer	\$ 1,759.10	
Amount uncollected	287.14	
Amount abated .....	.00	
	<hr/>	<hr/>
	\$ 2,046.24	\$ 2,046.24
Amount of Service Pipe Maintenance bills rendered in 1929		\$ 329.19
Amount of bills of previous years uncollected		\$ 5.06
Amount collected and paid Treasurer	\$ 325.31	
Amount uncollected	\$ 8.94	
Amount abated .....	.00	
	<hr/>	<hr/>
	\$ 334.25	\$ 334.25
Amount of Main Pipe Maintenance bills rendered in 1929		\$ 144.67
Amount of bills of previous years uncollected .		\$.00
Amount collected and paid Treasurer	\$ 144.67	
Amount uncollected .....	.00	
Amount abated .....	.00	
	<hr/>	<hr/>
	\$ 144.67	\$ 144.67
Amount of Meter Maintenance bills rendered in 1929		\$ 20.95
Amount collected and paid Treasurer	\$ 8.10	
Amount uncollected .....	.00	

Amount abated	12.85		
	\$	20.95	\$ 20.95
Amount of Hydrant Maintenance bills rendered in in 1929			\$ 137.36
Amount collected and paid Treasurer	\$	137.36	
Amount uncollected .....		.00	
Amount abated .....		.00	
	\$	137.36	\$ 137.36

RAINFALL

The average rainfall for Massachusetts as deduced by the State Department of Health from long continued observation in various parts of the State is 44.54 inches.

As may be seen by a table in this report showing the amount of rainfall for the years 1900 to 1929 inclusive, the average rainfall at the Reading Pumping Station is 40.92 inches. The rainfall this past year was a deficiency of 5.51 inches compared with the State observations and a deficiency of 0.89 inches from our Pumping Station observations. There was an excess of rainfall in the months of Feb., April, May, Aug., and Dec., of 4.89 inches, and a deficiency in the other months of 6.78 inches, comparing each month with an average rainfall between the years 1900-1929 inclusively.

The greatest rainfall in any one day was on April 16, 1929, 1.99 inches.

The elevation of the Reading Pumping Station is approximately 80 feet above sea level.

	(Inches)	Normal Rainfall	Rainfall in 1929	Excess or Deficiency in 1929
January	3.31	3.14	—0.17	
February	3.44	3.76	+0.32	
March	3.54	3.49	—0.05	
April	4.02	6.81	+2.79	
May	3.01	3.50	+0.46	
June	3.67	1.21	—2.46	
July	3.51	1.19	—2.32	
August	3.34	4.53	+1.19	
September	3.49	2.41	—1.08	
October	2.81	2.49	—0.32	
November	3.25	2.87	—0.38	
December	3.53	3.63	+0.10	
		<hr/>	<hr/>	<hr/>
		40.92	39.03	—1.89

**YEARLY RECORD OF PUMPING STATION FROM JANUARY 1, 1929,
TO JANUARY 1, 1930**

Month	No. Days	Hrs.	Min.	Gallons Pumped	Total Head	Pounds Coal	Gals. to Lbs.Coal	Rainfall
January.....	31	349	30	10,510,578	218	58,791	179	3.14
February.....	28	315	45	9,213,984	218	50,304	183	3.76
March.....	31	365	..	10,440,218	218	54,923	190	3.49
April.....	30	364	..	10,484,417	218	52,120	201	6.81
May.....	31	404	30	12,249,306	218	59,072	207	3.50
June.....	30	479	30	13,698,054	218	62,285	220	1.21
July.....	31	565	..	15,751,540	218	74,539	211	1.19
August.....	31	445	15	12,435,822	218	58,214	214	4.53
September...	30	395	30	11,564,568	218	55,664	208	2.41
October.....	31	396	45	12,000,510	218	58,736	204	2.49
November...	30	366	30	10,826,820	218	55,579	195	2.87
December...	31	375	15	10,807,326	218	58,986	183	3.63
TOTALS....	365	4822	30	139,983,143	218	699,213	200	39.03

Average Pumpage per day, 383,515 gallons

**TABLE SHOWING THE AMOUNT OF RAIN AND MELTED SNOW
FOR YEAR ENDING DECEMBER 31, 1929**

Day of Month	January	February	March	April	May	June	July	August	September	October	November	December
1	.62	.01	...	.06	...	...	...	.50	...	.15	.03	...
2	...	...	.20	...	.42	...	...	...	...	1.71	.02	.53
3	...	...	...	.03	...	.02	...	1.19	...	...	.65	...
4	...	...	.40	.05	...	.09	...	...	T	...	.03	...
5	.35	...	1.00	.06	.05	...	.07	...	.08	...	...	...
6	.14	.02	.09	...	.54	...	T	...	.14	...	...	...
7	...	.90	.14	.01	T	.08	...	...	.04	.08	...	.09
8	...	...	T	.12	...	...	...	.07	.02	...	.03	...
9	.19	.21	...	T	...	...	...	.02	.40	...	...	...
10	.12	...	T	.38	...	...	T	.30	...	...	...	...
11	.18	...	T	...	...	...	...	T	T	...	...	...
12	...	...	...	1.08	.02	...	...	.01	T	.02	T	.12
13	.04	T	.15	.01	...	...	...	.16	.03	.01	.07	.18
14	.25	.05	.49	...	.38	.01	.30	T	1.26	...	.05	...
15	.17	...	.06	...	.04	.17	...	...	...	...	.33	...
16	...	...	.25	1.99	.15	...	...	...	...	.04	...	...
17	.34	...	...	.20	...	...	...	...	.17	...	.86	.62
18	...	...	...	.01	.03	...	.22	.12	...	...	.66	.71
19	...	.28	...	...	.94	...	.01	.10	...	...	...	.45
20	...	T	...	1.12	.10	...	...	...	...	...	...	...
21	...	.50	.03	.42	.49	.22	...	...	...	...	.10	...
22	.01	...	.23	.12	...	...	...	...	...	.30	...	T
23	...	...	.03	...	...	...	...	.11	...	...	...	.58
24	...	...	...	...	.34	.26	.18	...	...	...	.04	T
25	.49	...	.32	.35	...	.17	.38	...	...	...	...	...
26	...	.77	.03	.05	...	...	...	...	...	...	...	...
27	...	.02	...	...	...	...	...	1.95	...	...	...	...
28	...	.20	.06	.75	...	.19	...	...	...	...	...	.05
29	.01	...	...	...	...	...	.03	...	.26	...	...	.29
30	...	...	.01	...	...	...	...	...	.01	.02	...	.01
31	.23	...	...	...	...	...	...	...	...	.16	...	...
TOTALS....	3.14	6.90	3.49	6.81	3.50	1.21	1.19	4.53	2.41	2.49	2.87	3.63
TOTAL TO DATE....	3.14	6.90	10.39	17.20	20.70	21.91	23.10	27.63	30.04	32.53	35.40	39.03

SUMMARY OF STATISTICS

For Year Ending December 31, 1929.

**Reading Water Department
Reading, Middlesex County, Massachusetts****General Statistics**

Population by census of 1920: 7424.
 Date of construction: 1890 and 1891.
 By whom owned: Town of Reading.
 Sources of supply: Filter gallery and artesian wells.
 Mode of supply: (Whether gravity or pumping): Pumping.

Pumping Statistics

Builders of Pumping Machinery: Sullivan Mch. Co., Geo. F. Blake
 Mfg. Co., and Platt Iron Works.

Description of fuel used:

Kind: Coal.

Brand of coal: New River.

Average price of coal per net ton delivered: \$6.99.

Percentage of ash:

Wood, price per cord:

Coal consumed for the year: 699,213 pounds.

Total pumpage for the year: 139,983,143 gallons, with allowance for slip.

Average static head against which pumps work: 218.

Average dynamic head against which pumps work: 246.

Number of gallons pumped per pound of equivalent coal: 200.

139,983,143 gallons pumped \times 8.34 (lbs.) \times 100 dynamic head (246).

Duty equals: _____

699,213 total fuel consumed.

equals: 41,074,037 including heating.

Cost of pumping figured on Pumping Station expenses including filtration, viz:

Per million gallons pumped: \$94.65.

Per million gallons raised one foot (Dynamic): \$.386.

DISPOSITION OF BALANCE—Carried to New Account

Net cost of works to date	\$504,251.01
Bonded debt to date	50,000.00

Cost of supplying water per million gallons figured on total maintenance of Pumping Station and Filters: \$94.65.

Total cost of supplying water, per million gallons figured on total maintenance plus interest on bonds: \$213.75.

Statistics Relating to Distribution Mains

Kind of pipe: Cast Iron.

Sizes: 4 inches to 12 inches.

Extended: 871.6' of 6"—964.8' of 1¼."

Total now in use: 38 miles (6" to 12").

Cost of maintenance per mile: \$3.56.

Length of pipe less than 4 inches in diameter: miles.

Number of hydrants (public and private) now in use: 243.

Number of stop gates added during the year: 9.

Number of stop gates now in use: 560.

Number of stop gates smaller than 4 inch: 5.

Number of blow-offs: 13.

Range of pressure on mains: 45-90.

Services:

Kind of pipe: Cast iron, galvanized iron, lead and cement lined.

Sizes: ¾ to 6 inches.

Extended: 4,297.4 feet.

Total now in use: 35.06 miles.

Number of service taps added during year: 76.

Number now in use: 2,392.

Average length of service 1929: 56.55.

Average cost of service to owner, 1929: \$22.61.

Number of meters added: 123.

Number now in use: 2,498.

Percentage of services metered: 97.

Number of motors and elevators added:

Number now in use:

KIND AND SIZES OF METERS IN USE JANUARY 1, 1930

MAKE	SIZES								TOTALS
	⅝"	¾"	1"	1¼"	1½"	2"	3"	8"	
Nash.....	1191	13	11	1	3	3	..	..	1222
Hersey.....	395	6	18	3	9	4	1	1	437
Empire.....	259	1	2	..	..	..	2	..	264
Gamon.....	184	..	2	..	..	..	..	..	186
Trident.....	128	..	..	..	..	..	..	..	128
Crown.....	74	2	2	..	3	9	..	..	90
Union.....	52	..	1	..	1	..	..	..	54
Lambert.....	51	..	2	..	..	..	..	..	53
Worthington.....	25	..	..	..	..	1	..	..	26
Pittsburg.....	13	..	..	..	..	..	..	..	13
Keystone.....	1	..	..	8	..	..	..	..	9
Federal.....	8	..	..	..	..	..	..	..	8
Thomson.....	5	..	1	..	..	..	..	..	6
Columbia.....	2	..	..	..	..	..	..	..	2
TOTALS.....	2388	22	39	12	16	17	3	1	2498

WATER BONDS AND INTEREST

There were \$10,000 in bonds payable in 1929.

The interest on serial bonds for the year 1929 amounted to \$2,287.50.

There are \$10,000 in bonds and \$1,882.50 interest due in 1930 as follows:

			Interest	Bonds
Water Bonds of	9/15/27	March 1, 1930	\$ 260.00	
Water Bonds of	5/ 1/25	May 1, 1930		\$2,000.00
Water Bonds of	5/ 1/25	May 1, 1930	240.00	
Water Bonds of	6/ 1/01	June 1, 1930		5,000.00
Water Bonds of	6/ 1/01	June 1, 1930	100.00	
Water Bonds of	6/ 1/07	June 1, 1930		1,000.00
Water Bonds of	6/ 1/07	June 1, 1930	140.00	
Water Bonds of	6/ 1/17-18	June 1, 1930		1,000.00
Water Bonds of	6/ 1/17-18	June 1, 1930	292.50	
Water Bonds of	9/15/27	Sept. 15, 1930	260.00	
Water Bonds of	9/15/27	Sept. 15, 1930		1,000.00
Water Bonds of	5/ 1/25	Nov. 1, 1930	200.00	
Water Bonds of	6/ 1/07	Dec. 1, 1930	120.00	
Water Bonds of	6/ 1/17-18	Dec. 1, 1930	270.00	
Totals			\$1,882.50	\$10,000.00

WATER DEPARTMENT

During the summer of 1929 a very serious drought affected almost the entire country, but the Town of Reading, owing to excellent judgment in the selection of the water supply, was one of the very few municipalities to pass through this period without a dire lack of water.

This dry period did however develop to a more startling degree than ever before, the hazardous lack of water storage. That the amount of water in the standpipe is considerably less than a day's supply for the Town of Reading was forcibly made apparent by the fact that on twenty-three (23) days during July and August the pumps delivered, during the day more water to the mains than the capacity of the standpipe. This shows very conclusively that additional storage is needed urgently and a 1,000,000 gallon standpipe should be erected during the ensuing year. During the dry period there were no fires. One fire might easily have subjected the town to a conflagration.

On July 23, 1929, 683,000 gallons of water were delivered to the mains. This is 30% more than the capacity of the present standpipe.

The general system could be strengthened to a considerable extent by laying mains and in this connection I would recommend laying an 8 inch main on Lowell Street from Bancroft Avenue to High Street. A larger main could be continued to the Reading-Wilmington line with the idea of making a connection with Wilmington at that point. At present there is a single 12 inch main from the pumping station to the system at the intersection of North Main and Franklin Streets; and while there has never been any trouble at this point it is really a very serious weakness and thought should be given at once to the duplication of this line, as the highway is to be widened and the heavy traffic will increase rapidly, over this main.

During the year seven hydrants have been broken off by trucks. That the loss of water in each case was no greater than actually occurred is due to the excellent personnel of the water department, and quick response in case of emergency. In every case the water was shut off within twenty to twenty-five minutes after the break occurred. This also indicates very good cooperation on the part of the citizens and police department.

Regular inspection of the hydrants has been made and the general maintenance attended to. New hydrants have been set on "A" street and Hampshire Road, and two old style hydrants have been replaced, one on Parker Street and one on Union Street in the Square. The new hydrants have two pump connections instead of one, and also two hose connections.

There have been seventy six (76) new water installations in 1929, a decrease of twenty (20) from 1928. The total length amounted to linear feet. In making the installations it was necessary to extend the distribution system as shown in the table following.

1929 MAIN PIPE EXTENSION

SIZE	A St. off Libby Ave.	Beacon St.	Bond St.	Fremont St.	Gardner Rd.	Hampshire Rd.	Hanscom Ave.	Hillside Rd.	Hunt St.	Prescott St.	Summer Ave.	Third St.	Weston Rd.	TOTAL
6"	151.6	....	....	....	....	61.0	201.0	86.0	....	...	60.0	144.0	168.0	871.6
1 1/4"	....	195.0	216.8	150.0	135.0	...	....	...	161.3	18.0	...	88.7	....	964.8
Total	151.6	195.0	216.8	150.0	135.0	61.0	201.0	86.0	161.3	18.0	60.0	232.7	168.0	1836.4

One hundred twenty-three new meters were set in 1929, including an 8 inch Detector meter on the line running to the Reading Rubber and Sanford Mills. All meters to be set are tested in the meter department and there has been purchased this year a new meter testing machine for that purpose.

A very important addition to the water system was made at the pumping station with the installation of a machine for adding chlorine to the water. This chlorinator eliminates all danger from pollution. A new boiler feed pump was set up in the station this year. Concrete walks were laid and a concrete crib around the river well, also a new roof on the gate house.

An investigation was started late this fall to locate another supply of water, which might furnish more or better water. As the actual work has only recently begun no definite results have been obtained.

RECOMMENDATIONS:

On Lowell Street between Bancroft Avenue and High Street, the houses are all supplied with water through 1¼ inch pipes. This service is wholly inadequate and I would recommend that an 8 inch C. I. pipe be laid in this section with hydrants where ever needed. This would also furnish more direct feed from the pumping station to the stand-pipe through Franklin Street.

Many houses on Sunnyside and Echo Avenues are being furnished water through a 1¼ inch pipe and I would recommend a 6 inch main be laid on these avenues with at least one hydrant.

I would recommend the installation of a 12 inch main from the pumping station to Franklin Street parallel to the present main.

There should be considerably more storage capacity in the system and I would earnestly recommend the construction of a 1,000,000 gallon standpipe, as soon as possible. A fire draught of eight (8) regulation streams of 250 gallons per minute as recommended by the Fire Underwriters would lower the pressure to thirty (30) pounds in approximately two (2) hours, instead of six (6) hours as would be required for an adequate supply.

HIGHWAY DEPARTMENT

To the Board of Public Works:

Gentlemen:

The following is the yearly report of the Highway Department:
Appropriations and Balances

Voted in March Town Meeting, 1929:

- | | |
|--|--------------|
| 1. Highway Maintenance and Const. | \$ 45,000.00 |
| 2. Development of Storm Water Drainage . | 20,000.00 |

3. Removal of Snow and Ice	5,000.00	
4. Maintenance of Storm Drains	3,000.00	
5. Sidewalk and Curbing Construction	8,000.00	
6. Special Appropriation for Dumps	500.00	
		<hr/>
		\$ 81,500.00
Unexpended Balances from Previous Appropriations:		
7. 1928 Improved Storm Water Drainage ..	6.55	
8. Balance Mineral Street Bridge Acct. ...	4,300.00	
9. Survey and Plans for Special Drainage .	1,000.00	
		<hr/>
Total		5,306.55
		<hr/>
Total 1929 Appropriations and Bals. ..		\$86,806.5
Expenditures and Balances of the above Appropriations:		
1. Appropriation for Maint. and Const.	\$45,000.00	
Receipts	32.36	
Transfer	2,500.00	
		<hr/>
Total		\$47,532.36
Expended:		
Pay Roll	\$14,437.92	
General Repairs	2,461.84	
New Equipment	5,829.35	
Road Material	17,433.27	
Tools, Misc. Supplies	6,385.70	
		<hr/>
Total		\$46,548.08
		<hr/>
Balance Unexpended		\$ 984.28
2. Appropriation for Storm Water Drainage		\$20,000.00
7. Balance of 1928		\$ 6.55
		<hr/>
		\$20,006.55
Expended:		
Pay Roll	\$ 1,854.04	
Engr. and Contractor	13,826.57	
Fittings	1,805.91	
Miscellaneous	809.31	
		<hr/>
Total		\$18,295.83
		<hr/>
Balance Unexpended		1,710.72
3. Appropriation for Snow and Ice		5,000.00

Expended:

Pay Roll	\$ 1,898.92	
Sidewalk Plowing	1,135.50	
Tools, Supplies, Repairs, ets.	1,937.38	
	<hr/>	
Total		\$ 4,971.80

Balance Unexpended		\$ 28.20
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4. Appropriation for Maintenance of Storm Drains		\$ 3,000.00
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Expended:

Pay Roll	\$ 1,961.52	
Supplies	675.31	
	<hr/>	
Total		2,636.83

Balance Unexpended		\$ 363.17
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5. Appropriation for Sidewalk and Curbing Construction		\$ 8,000.00
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Expended:

Pay Roll	\$ 1,169.43	
Contractor	2,293.85	
Curbstone	3,573.59	
Miscellaneous	215.26	
	<hr/>	
Total		\$ 7,252.13

Balance Unexpended		\$ 747.87
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6. Special Appropriation for Dumps		\$ 500.00
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Expended:

Pay Roll	\$ 451.79	
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Total		\$ 451.79

Balance Unexpended		\$ 48.21
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8. Balance of Mineral St. Bridge Appro. .		\$ 4,300.00
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Expended:

Contract	\$ 4,300.00	
	<hr/>	
Total		\$ 4,300.00

Balance Unexpended00
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9. Survey and Plans for Special Drainage .		\$ 1,000.00
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No Expenditures in 1929		\$ 00.00
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Items	Totals Appropriations	Expenditures	Balance	Balance Forward
1.	\$47,532.36	\$46,548.08	\$ 984.28	
2. & 7.	20,006.55	18,295.83	1,710.72	1,710.72
3.	5,000.00	4,971.80	28.20	
4.	3,000.00	2,636.83	363.17	
5.	8,000.00	7,252.13	747.87	
6.	500.00	451.79	48.21	
8.	4,300.00	4,300.00	00.00	
9.	1,000.00	00.00	1,000.00	1,000.00

The general surface treatment of the Highways was completed this year about the last of June and 274,500 square yards were covered using 91,500 gallons of Tarvia B which was covered with sand.

A permanent macadam pavement was started on High Street June 1, and completed July. The work covered an area of 3,225 square yards and cost \$2,354.07 an average of \$.73 per square yard.

Gravel was hauled from the pit on Grove Street during the year and 19,795 square yards of construction was carried out on the following streets.

Forest St.	5,186 Sq. Yds.	Cross St.	3,120 Sq. Yds.
Ridge Rd.	1,600 Sq. Yds.	California Rd.	1,418 Sq. Yds.
Bancroft Ave. ...	1,378 Sq. Yds.	Pennsylvania Ave.	1,916 Sq. Yds.
Howard St. Ext. .	2,319 Sq. Yds.	Wenda St.	987 Sq. Yds.
Lee St.	1,200 Sq. Yds.	Weston Rd.	264 Sq. Yds.
		Haverhill St.	363 Sq. Yds.

The streets accepted at the annual Town Meeting are included in the list and they were graded with the gravel which was bound with Tarvia B using about one gallon per square yard. The Tarvia was put on in two applications, the second one being covered with sand, and rolled. At present these streets are in very good condition.

On April 26, 1929 a contract was let to Vincent Russo for the construction of 579' of 36" drain between Washington and Gould Streets and 120' of 30" drain between Gould and Haven Streets, as part of a main line of drainage, and for 600' of 30" drain on High Street between Woburn and Vine Streets and 230' of 18" drain between Vine and Mt. Vernon Streets. There were also included in this contract two culverts, one 5' x 11' inside dimensions and 49' 5" long, under Ash Street near Brook Street and one 5' x 5' 6" inside dimensions and 54' long under Cross Street.

After the contract was completed, the Board of Public Works cleaned and deepened the open drains from Washington Street to the Boston and Maine Railroad a distance of about 6,700'. Other drains were cleaned and deepened a distance of about 4,300' making a total of 11,000' of open ditch that was cared for this year.

An addition to the drainage on South Main Street was installed to take care of water from the southerly end of the Square and on South Main Street between the Square and Green Street. Five catch basins were installed in this work and the condition has been entirely relieved.

At the intersection of Green and Elliott Streets a bad situation was cared for by the installation of four catch basins and a line of pipe from Green to the southerly side of Washington Street. From that point the open ditch was cleaned and deepened.

The area on the west side of Kingston Street was very badly flooded during heavy rains and to alleviate this condition a 24 inch concrete pipe drain was laid from the Milbury property on Kingston Street, southerly across Kingston Street and through private property to the new drain near the corner of Linden and Mt. Vernon Streets.

On Summer Avenue between Woburn and Boyce Streets a 10 inch drain was laid and two catch basins rebuilt to take the water away that collected at this point.

The intersection at Woburn Street, Copeland Avenue and Prospect Street is a point at which a great amount of water collects very rapidly in a rain storm. It then runs down Copeland Avenue and over private property. To remedy this condition it is necessary to construct drainage lines on Copeland Avenue, Woburn Street and Prospect. The present drainage on Woburn Street is quite inadequate and I would recommend new construction to the culvert near Temple Street.

Woodward Avenue is practically the low point of a catchment area in that section and I would recommend a system of drains to extend from Woodward Avenue to Vale Road and to Vine Street and then along Bond Street to an outlet at the northerly end of that street.

The space at the Highway shop is entirely filled at present and many pieces of equipment are left outside at all times. It would be economy to erect a steel frame building with sheet metal sides and roof until a municipal garage could be built. The cost would be \$1200.00 or \$1500.00.

One of the difficulties encountered in highway construction is the roller work. To obtain the most economy in operation it is necessary to concentrate all the work requiring a roller into a few weeks of continuous operation, because of the fact that a licensed man must be hired at a high rate of wages. A gasoline roller would obviate the need of a steam licensed roller man and afford a machine that would be avail-

able at any time and I strongly recommend the exchange of the present steam roller for a gasoline operated machine.

SIDEWALKS:

Granolithic sidewalks were laid this year at the following locations:

28 Howard Street.
 Corner of Howard Street and Hillcrest Road.
 62 Bancroft Avenue.
 1 Charles Street.

with an aggregate of 379.92 square yards.

Tar concrete walks were laid at the following locations:

10 Fairview Avenue	45 Sq. Yds.
12 Fairview Avenue	38 Sq. Yds.
44 Linden Street	52 Sq. Yds.
Mineral Street	248 Sq. Yds.

with a total of 338 square yards, and old tar concrete walks have been resurfaced to the extent of 926 square yards and 59 square yards of patches have been laid.

4462 square yards of gravel sidewalks have been covered with stone dust for which 223 tons of material were used.

Altogether 6210 square yards of sidewalks were improved this year.

In addition to this, gravel sidewalks have been built at the following places: Oak Street, Willow Street, So. Main Street, No. Main Street, and Grand Street.

To protect property and sidewalks from encroaching traffic, corner curbing was placed on the following intersections: Willow and Lowell, Pearl and Salem, Ash and Green, Vine and High, Highland and Locust, Middlesex and Bancroft, Prescott and Summer, Howard and Hillcrest, Woburn and Summer, Mineral and Vine, Sanborn and Lowell, Pennsylvania and Summer.

Straight granite curbing to the extent of 1360 feet was set at the request of the abutting property owners, who paid one half of the cost.

At the intersection of Franklin and Haverhill Streets, Mr. William Scharton donated the necessary amount of land to make an easy curve for motor vehicles and the work for changing this corner was carried out by the Department of Public Works. Several trees were removed, and the sod and telephone poles in the area were taken out. The telephone lines were placed in an underground conduit, and a retaining wall built on the northwesterly street line.

High Street was relocated in accordance with a vote passed at the regular town meeting and a sidewalk and retaining wall built on the westerly side.

Twenty one bound stones were set as required by law to establish the lines of the streets.

246 street signs have been set up at corners throughout the town and the improvement is very noticeable particularly to strangers and it is a general benefit to everybody concerned.

There have been 937 feet of guard rail and iron pipe fence set up as required on Cross Street, Lowell Street, Mineral Street and Oak Street.

Thirteen old catch basins have been rebuilt and sixteen new ones built in connection with new drainage lines, as follows:

Catch Basins Rebuilt		New Catch Basins Built	
Wenda Street	2	Pennsylvania Avenue	2
Elliott and Green	2	Main and Green	5
Bancroft and Weston	2	Washington and Elliott	2
Bancroft and Tower	2	Summer and Woburn	2
Highland and Auburn	2	Ridge Road	2
Bancroft and Middlesex	1	West Street	1
Summer and Scotland	1	High Street	1
High and Chute	1	Elliott and Green	1

PARK DEPARTMENT

Gentlemen:

The following is the yearly report of the Park Department:

General Appropriation	\$ 2,500.00
Transfer from Reserve Fund	12.80

Expended:

Memorial Park:

Pay Roll, Care of Park	\$ 856.19
Supervised Play	857.55
Bills	232.94

Total	\$ 1,946.68
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Common and Main Street Parks:

Pay Roll	\$ 209.16
Bills	7.78

Total	\$ 216.94
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Leach Park:

Pay Roll	\$ 33.61
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Total	\$ 33.61
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Washington Street Park:

Pay Roll	\$ 223.73
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Bills	\$	91.84	
Total	\$	315.57	
Summary Expenditures:			
Total Pay Rolls	\$	2,180.24	
Total Bills	\$	332.56	
Total			\$ 2,512.80

The overflow at the dam in Memorial Park was raised as much as possible this fall and the area flooded was considerably larger than before. The snow has been cleared off the ice a number of times to provide a skating area and the electric light has been doubled in size making provision for this sport at night.

A slide was built to start the coasters and has been used considerably by the children who now slide the entire distance across the pond.

This flooded area could be considerably improved, at an expense that would not be prohibitive, by removing some of the sod and high ground, and the appearance of the brook in the summer would be much improved if it were cleaned and the banks sloped easily. Clearing away the rough sod and ground, and grading the brook will provide further opportunity for sports.

Several good grass tennis courts could be built at no great expense and a dirt or hard surface court, that could be used by older people during the summer evenings, could be built, which might prove a considerable attraction to the park, also a concrete shuffle-board.

The Reading Woman's Club has again demonstrated keen interest in public activities and the playground committee through the chairman, Marie L. Day, has used most advantageously the appropriation for supervised play. This work should be increased yearly, as the number of children benefited grows in proportion to the benefits derived.

The driveway from Harrison Avenue should be improved and kept in good condition to allow traffic entrance and exit at all times.

Owing to the fact that a plan for a general rearrangement of the streets and Common in Reading Square is now under consideration, no definite action for improvement was taken this year. The lawns were mowed and general care of the shrubs and trees was left to Mr. Donegan the Tree Warden. A new halyard was rove in the flagpole and the pole was painted.

If the more comprehensive plan of beautifying the Square is not carried out, then a definite method of improvement could be adopted by the Board of Public Works and started this year. Curbing could be straightened out where necessary and granolithic walks laid to replace the dirt or tar walks that now exist. The lawns should be loamed and graded and seeded and more thought given to the shrubbery.

Curbing at the Main Street Park was raised and straightened this year and the grass cut. This lawn should be cared for with loam, grading and seeding.

The grass on Leach Park was mowed this year but more attention should be given it and the lawn needs to be cared for generally, as well as the shrubbery.

The Ball Park was mowed regularly this year and some general work done but much more time and money should be spent on the park for this section. The field should be graded for playing games such as baseball, football, field hockey, etc. Swings, slides and climbing apparatus could be placed behind the bleachers for the younger children near the fountain.

Recreation centers for the children and park improvements benefit everybody in town.

REPORT OF THE READING PLAYGROUND COMMITTEE

To the Board of Public Works:

Gentlemen:

The eleventh season of the Reading Playground opened on July 1, 1929, with informal exercises.

Mrs. Philip H. Tirrell as representative of the Reading Woman's Club brought greetings and spoke to the children. The donors of the Park were our guests.

Miss Mildred Dulong, Supervisor outlined the program for the seasons activities and urged the children to take advantage of the Playground every day.

Ice cream was distributed to about 450 children. Games were played during the afternoon.

Miss Dulong is a graduate of Posse Nissen School and proved to be an enthusiastic leader. There were large classes in reed work, paper work, coping-saw and sewing. Tennis for the older children and paddle tennis for the younger children was very popular. The baseball team, under Frank Heselton, played the teams of several out of town playgrounds.

An all day picnic marked closing day. We are grateful to Mrs. Esther Esner of Esner's store for a voluntary gift of four prizes which were awarded for athletic events. A feature of the day was a parade in fancy costumes; many of which were made by the children at the playground. Prizes were awarded. Ice cream was distributed to about 500 children.

The committee wishes to thank the Board of Public Works for its co-operation and helpfulness at all times.

Respectfully submitted,

JULIA P. IDE
 GRACE L. TWOMBLY
 EMMA I. GASCOIGNE
 HELEN A. TAYLOR
 ANNA P. REID
 LYDIA A. HOLDEN
 MARY CUMMINGS
 MARIE L. DAY, Chairman.

To the Board of Public Works:

Gentlemen:

The Playground Committee would recommend that the sum of one thousand dollars (\$1,000) be appropriated by the Town of Reading for the work assigned to it.

It would suggest that the sum be not definitely divided for salaries and expenses. It would recommend that a new tennis court be laid out early next season and the present courts be put in good condition at the same time.

MARIE L. DAY, Chairman.

SEWER DEPARTMENT

To the Board of Public Works:

Gentlemen:

The following is the yearly report of the Sewer Department:

Construction and Maintenance:

Balance Brought Forward	\$13,276.00
Receipts for 1929	11,784.10
Total	<u>\$25,060.10</u>

Construction Account:

Expended:

Pay Roll	\$ 841.97
Bills	230.74
Total	<u>\$ 1,072.71</u>

Maintenance Account:

Expended:

Pay Roll	\$ 2,260.71
Tools, Supplies and Repairs	1,363.08
Payment of Bonds	8,000.00
Total	<u>\$ 11,623.79</u>

Maintenance and Construction Pay Roll and Bills	\$12,696.50
Balance	\$12,363.60

HOUSE CONNECTION ACCOUNT

House Connection Account:	
Balance Brought Forward	\$ 200.00
Cash Receipts	\$ 1,779.41
Total	\$ 1,979.41
Expended:	
1. Pay Roll	\$ 974.56
2. Refunds	328.19
3. Pipe	116.16
4. Miscellaneous, Supplies and Repairs ..	178.14
5. Transfer to Maintenance Acct.	182.36
Total	\$ 1,779.41
Balance	\$ 200.00

SEWER DEPARTMENT

The main sewers were extended this year on two streets a total distance of 454 feet. An 8-inch main was laid on King Street in the first part of the year for a distance of 175 feet and another 8-inch main was laid on Elliott Street, in the fall, a distance of 279 feet.

The sewers were laid at the request of the property owners on the respective streets, and house connections made as required.

This year there were twenty-four (24) house connections laid with a total of 1077 linear feet of pipe.

All the intersection points on the main lines were inspected during the year and the sewers on thirty (30) streets were cleaned and flushed as follows: Salem, Wilson, Pleasant, Eaton, Green, John, Washington, Main, Ash, High, Haven, Sanborn, Woburn, Linden, Haven, Green, Minot, Warren, Center, Park, Lincoln, Arlington, Washington, Prescott, Pratt, Summer Avenue, King, Prospect, Berkeley, Temple.

The table will show the possible and complete sewer connections with the amount of revenue committed in 1929.

STREETS	Possible Connected	Completed Connections	Per Cent Connected	No Con- structions Started	Connected to St. Line	Partially Installed to House	Revenue Charges 1929
Arlington.....	11	2	18	5	2	2	32.40
Ash.....	17	8	47	9	..	..	327.90
Bancroft Ave.....	19	7	37	11	1	..	38.40
Berkeley.....	27	16	59	11	..	..	194.10
Brook.....	1	..	..	1	..	..	..
Center Ave.....	10	7	70	..	3	..	140.70
Copeland Ave.....	7	7	100	..	..	..	233.40
Eaton.....	2	1	50	1	..	..	6.00
Elliott.....	6	2	33	4	..	..	37.80
Fremont.....	4	4	100	..	..	..	69.30
Fulton.....	1	1	100	..	..	..	16.20
Green.....	53	34	65	10	4	5	539.70
Gould.....	3	3	100	..	..	..	35.10
Harnden.....	8	6	75	..	2	..	173.40
Haven.....	39	26	67	7	4	2	769.80
High.....	10	4	40	3	2	1	56.40
Hillcrest Rd.....	10	8	80	1	1	..	136.80
Howard.....	18	15	83	2	1	..	228.90
John.....	9	6	67	3	..	..	55.80
King.....	6	5	83	1	..	..	61.80
Kingston.....	15	9	60	6	..	..	96.40
Lincoln.....	7	4	57	..	3	..	195.11
Linden.....	9	5	56	3	..	1	83.10
Lowell.....	4	3	75	1	..	..	47.70
Main.....	42	31	74	1	7	3	1188.80
Maple.....	2	1	50	..	1	..	9.30
Middle.....	2	1	50	1	..	..	6.30
Middlesex Ave.....	18	13	72	..	2	3	390.60
Minot.....	12	7	58	..	2	3	82.80
Mt. Vernon.....	9	5	56	4	..	..	56.10
Park Ave.....	7	6	86	..	..	1	56.70
Parker.....	4	4	57	3	..	..	49.20
Perkins Ave.....	7	7	100	..	..	..	179.10
Pine Ave.....	1	..	..	..	..	1	..
Pleasant.....	14	9	64	5	..	..	172.20
Pratt.....	4	3	75	1	..	..	32.10
Prescott.....	52	33	63	1	11	7	505.50
Prospect.....	15	7	47	8	..	..	117.60
Salem.....	18	8	44	2	8	..	247.20
Sanborn.....	14	7	50	5	..	2	478.20
Scotland Rd.....	1	1	100	..	..	..	8.10
Summer Ave.....	18	8	44	9	..	1	129.60
Sweetser Ave.....	5	1	20	..	3	1	17.10
Temple St.....	32	6	19	..	20	6	396.60
Union.....	5	3	60	1	..	1	27.90
Village.....	22	10	45	11	..	1	170.10
Warren Ave.....	17	12	71	..	2	3	168.60
Washington.....	27	10	37	12	4	1	161.70
Wenda.....	4	4	100	..	..	..	56.70
Wilson.....	9	5	56	2	..	2	48.30
Woburn.....	78	36	46	9	29	4	633.30
TOTALS.....	738	421	60%	154	112	51	\$8,965.91

**LENGTH OF SEWER CONNECTIONS RUN TO EITHER CURB, HOUSES,
OR CONNECTED**

Streets	Curb	Houses	Connected	Total Length
Arlington.....	66.50	83.00	138.00	287.50
Ash.....			331.10	331.10
Bancroft.....	16.00		349.90	365.90
Berkeley.....			925.70	925.70
Brook.....				
Center Ave.....	52.00		317.00	369.00
Copeland Ave.....			450.00	450.00
Eaton.....			60.00	60.00
Elliot.....		53.00	62.00	115.00
Fremont.....			209.00	209.99
Fulton.....			44.00	44.00
Gould.....			236.50	236.50
Green.....	72.00	173.00	1461.20	1706.20
Haven.....	195.00	79.00	1089.80	1363.80
Harnden.....	32.00		195.00	227.00
High.....	22.00		180.10	202.10
Hillcrest.....	25.00		516.00	541.00
Howard.....	26.00		886.50	912.50
John.....		51.00	225.20	276.20
King.....			306.70	306.70
Kingston.....			365.00	365.00
Lincoln.....	70.00		186.00	256.00
Linden.....		41.00	219.00	260.00
Lowell.....			232.50	232.50
Main.....	256.00	166.00	1664.75	2086.75
Maple.....	18.00		40.00	58.00
Middle.....			36.50	36.50
Middlesex Ave.....	48.00	213.00	908.20	1169.20
Minot.....	42.00	112.50	295.50	450.00
Mt. Vernon.....			286.50	286.50
Park Ave.....		37.00	208.00	245.00
Parker.....			179.00	179.00
Perkins Ave.....			434.80	434.80
Pine Ave.....		46.00		46.00
Pleasant.....			483.50	483.50
Pratt.....			242.00	242.00
Prescott.....	254.00	323.00	2118.20	2695.20
Prospect.....			594.50	594.50
Salem.....	123.00		602.00	725.00
Sanborn.....		98.00	535.90	633.90
Scotland Rd.....			60.00	60.00
Summer Ave.....		94.00	576.20	670.20
Sweetser Ave.....	64.00	45.00	43.00	152.00
Temple.....	300.00	173.00	505.00	978.00
Union.....		66.00	177.00	243.00
Village.....		34.00	484.00	518.80
Warren Ave.....	36.00	107.00	526.00	669.00
Washington.....	61.00	48.00	587.40	696.40
Wenda.....			202.50	202.50
Wilson.....		70.60	216.80	287.40
Woburn.....	494.00	222.50	2224.40	2940.90
TOTALS.....	2272.50	2335.60	23,218.65	27,826.75

LENGTH OF MAIN SEWERS IN STREETS

[illegible]

LENGTH OF MAIN SEWERS IN STREETS—Cont.

STREETS	6 Inch	8 Inch	10 Inch Cast Iron	12 Inch	15 Inch	18 Inch	10 Inch	24 Inch	Total Length
Temple.....	806.76	.....	432.89	661.39	.....	.....	.....	.....	1991.04
Union.....	.....	303.60	.....	.....	.....	.....	.....	.....	303.60
Village.....	.....	1015.60	.....	.....	.....	487.80	.....	.....	1503.40
Warren.....	.....	715.00	.....	.....	.....	.....	.....	.....	715.00
Washington.....	.....	424.90	.....	246.80	312.90	.....	1574.30	.....	2538.90
Wenda.....	300.00	.....	.....	.....	.....	.....	.....	.....	300.00
Wilson.....	.....	.....	471.40	333.10	.....	.....	.....	.....	804.50
Woburn.....	732.80	2915.70	.....	917.40	.....	.....	.....	.....	4565.90
TOTAL LENGTHS....	2744.76	33,339.95	2288.09	6164.79	2870.60	487.80	1809.20	3758.10	53,463.29

Total length of House Connections constructed to date..... 27,826.75
 Total length of Sewers and Underdrains constructed to date..... 87,488.84
 Grand Total.....115,315.59 ft.
 Or 21.84 miles of pipe

LENGTH OF UNDERDRAINS IN STREETS

STREETS	LENGTH OF UNDERDRAINS IN STREETS AND —					Total Length Sewers and Underdrains
	5 Inch	6 Inch	8 Inch	10 Inch	Total Length	
Arlington.....						399.80
Ash.....	237.00			258.80	495.80	1577.50
Bancroft.....						780.00
Berkeley.....		456.00			456.00	1712.10
Brook.....		847.60			847.60	1695.20
Center.....	620.60				620.60	1241.20
Copeland.....						500.00
Eaton.....		380.00	527.70		907.70	1815.40
Elliott.....						279.00
Fremont.....		456.50			456.50	913.00
Green.....	836.90	974.10			1811.00	4525.20
Harnden.....						559.30
Haven.....		588.20			588.20	2341.00
High.....		487.70	736.10		1223.80	2447.60
Hillcrest.....		450.40			450.40	1221.20
Howard.....		1410.00			1410.00	2820.00
Interceptors.....		2937.00			2937.00	5874.00
John.....		748.10			748.10	1496.20
King.....		175.00			175.00	690.00
Kingston.....	609.30	110.00			719.30	1438.00
Linden.....	290.40	444.90			735.30	1470.60
Lincoln.....			1111.50		1111.50	2223.00
Lowell.....						813.00
Main.....		1246.10	955.50	234.90	2436.50	4873.00
Maple.....	189.20				189.20	378.40
Middle.....						313.60
Middlesex.....	254.00				254.00	1365.50
Minot.....	972.85	437.00			1409.65	2819.30
Mt. Vernon.....		230.30			230.30	460.60
Park.....	507.30		322.70		830.00	1660.00
Parker.....						427.00
Perkins.....						400.00
Pine.....	226.00				226.00	452.00
Pleasant.....			469.80		469.80	1805.50
Pratt.....	252.20	303.30			555.50	1111.00
Prescott.....	1070.60	2091.80			3162.40	6601.80
Prospect.....	886.00				886.00	2146.00
Salem.....	543.00		132.50		675.50	1812.90
Sanborn.....	200.00				200.00	916.30
Summer.....						1229.40
Sweetser.....	175.00				175.00	509.30
Temple.....		40.00			40.00	2031.04
Union.....						303.60
Village.....	825.00				825.00	2328.40
Warren.....	715.00				715.00	1430.00
Washington.....		724.00	246.80	1163.20	2134.00	4692.90
Wenda.....						300.00
Wilson.....			804.50		804.50	1609.99
Woburn.....	1196.00		917.40		2113.40	6679.30
Total Lengths	9781.15	16,363.00	6224.50	1656.90	34,025.55	87,488.84

REPORT OF EXECUTIVE OFFICE OF BOARD OF PUBLIC WORKS

To the Board of Public Works:

Gentlemen:

The following is the yearly report of the executive office:

The following table shows the expenditures made this past year in all Departments, the payroll of each, and the entire expenditures of the Board of Public Works:

Appropriation	\$ 6,000.00
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Expended:

Salaries and Miscellaneous Supplies	\$ 5,994.86
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Total	5,994.86
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Balance	\$ 5.14
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	Board of P. W.	Water Dept.	Highway Dept.	Sewer Dept.	Park Dept.	Totals
Pay Roll .	\$4,463.06	\$15,272.85	\$21,773.62	\$ 4,077.24	\$1,944.69	\$47,531.46
Bills	1,531.78	32,805.60	62,682.84	10,216.31	568.11	107,804.64
<hr/>						
Totals ...	\$5,994.84	\$48,078.45	\$84,456.46	\$14,293.55	\$2,512.80	\$155,336.10

ANNUAL REPORT
OF THE
TOWN ACCOUNTANT

RECEIPTS AND EXPENDITURES

For the Year Ended December 31

1 9 2 9

REPORT OF TOWN ACCOUNTANT

Receipts 1929

Grace V. Viall, Collector

Poll Taxes	\$ 5,466.00	
Personal Estate Taxes	36,237.05	
Real Estate Taxes	424,767.59	
Interest on same	6,166.91	
Motor Vehicle Excise Taxes	19,916.60	
Interest on same	5.55	
Moth Assessments	924.00	
Sewer Assessments	2,065.15	
Interest on same	411.23	
Sewer Rentals	9,045.71	
Interest on same	28.10	
Sidewalk Assessments	24.79	
Cost and Charges, less fees	678.90	
		<hr/>
		\$505,737.58

Preston F. Nichols, Treasurer

Interest on deposits	\$ 1,684.59
Moth and Tree Work Charges	836.25
Sidewalk and Curbing Work Charges	173.35
Redemption of property taken,	
Taxes, interest, etc.	1,663.70
Sewer Assessments on same	51.55
Additional interest and costs	99.14

Cemetery Bequest Fund:

Bequests	\$ 3,512.50
Income	1,260.00
For Transfer	1,677.42

Hospital Fund:

Bequest Additional	\$ 38.47
Income	4,835.00
For Transfer	4,780.00

Reading High School Scholarship Fund:

Income	150.00
For Transfer	100.00

Loans, Anticipation of Revenue	345,000.00	
	<hr/>	\$365,861.97
County of Middlesex, Dog Tax		\$ 1,374.15

Commonwealth of Massachusetts:

Taxes, etc.

Income Tax	\$ 63,831.45
Corporation Tax	11,242.99
National Bank Tax	2,353.64
Trust Company Tax	516.15
Street Railway Tax	934.70
Soldiers' Exemption	48.08
State Aid, Reimbursement	174.00
Military Aid Reimbursement	341.50
Snow and Ice Removal Tax	157.79
	<hr/>
	\$ 79,600.30

Board of Selectmen: License, etc.:

Second Hand Motor Vehicle	\$ 150.50
Motor Bus	110.00
Taxi Cab	14.50
Truck	18.50
Victualers	32.00
Lord's Day	190.50
Inn Holder	1.00
Third Class Liquor	1.00
Theatre	7.00
Auctioneers	6.00
Junk Dealers	87.00
Bowling and Pool	22.00
Revolver	19.50
Amusement	30.50
Advertising Hearings	52.95
	<hr/>
	\$ 742.95

Rents, Municipal Property \$ 612.00

Police Department:

Court Fines	\$ 2,301.75
Sale Junk, etc.	40.00
	<hr/>
	\$ 2,341.75

Fire Department:

Sale Junk, etc.	\$ 51.58
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Sealer of Weights and Measures:

Fees	79.15
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Inspector of Milk:

Fees	27.50
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Commonwealth of Massachusetts:

Peddlers' Licenses	28.00
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Board of Health, Licenses, etc.:

Hair Dressers	\$ 11.00
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Ice Cream Manufacturer	1.00	
Denatured Alcohol	10.00	
Slaughtering	100.00	
Pasteurizing	10.00	
Sundry Receipts	3.00	
	<hr/>	\$ 135.00
Board of Public Works:		
General Account	\$ 72.80	
Highway Department:		
Commonwealth of Massachusetts		
Snow Removal	18.00	
Highway Department Sales, etc.	493.95	
Highway Department Reimbursement	123.26	
Drainage Account	12.35	
Sewer Department, Miscellaneous	34.38	
	<hr/>	\$ 754.74
Board of Public Welfare:		
Commonwealth of Massachusetts,		
Reimbursements		
Mothers' Aid	870.43	
Temporary Aid	2,884.68	
Commonwealth of Massachusetts and Cities		
and Towns reimbursements	1,393.35	
Hospital Fund reimbursement	569.95	
Sundry Receipts	104.24	
	<hr/>	\$ 5,822.65
School Department:		
Commonwealth of Massachusetts		
Tuition, State Wards	\$ 3,174.50	
Town of North Reading Tuition	10,138.67	
Town of Wakefield Tuition	190.00	
City of Boston, Tuition City Wards ..	689.31	
Sundry Parties, Tuition	325.00	
Commonwealth of Massachusetts		
Aid to Agricultural School	1,136.46	
Commonwealth of Massachusetts		
Vocational Education	160.58	
Smith-Hughes Fund	176.68	
Sundry Receipts	91.37	
	<hr/>	\$ 16,082.57
Public Library:		
Fines etc.	\$ 396.08	
Special Fund, Gift	10.00	
	<hr/>	\$ 406.08

Cemetery Department:

Sale Lots and Graves	\$ 2,102.50	
Interest on deferred payments	41.99	
Care Lots and Graves, etc.	3,043.70	
Bequest Fund for care endowed lots	1,677.42	
Miscellaneous	70.00	
	<hr/>	\$ 6,935.61

Guarantee Deposits:

Sewer House Connections	\$ 1,779.41	
Curbing and Sidewalk Work	1,773.52	
Cemetery Work	319.45	
	<hr/>	\$ 3,872.38

Water Department:

Meter Rates, etc.	\$ 56,056.88
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Municipal Light Department:

Light, Power, Rates, etc.	303,090.95
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Insurance Account:

Municipal Light Department	\$ 803.30	
Water Department	663.00	
Sewer Department	279.34	
Highway Department	874.67	
Park Department	44.27	
Collector	42.11	
Treasurer	17.28	
	<hr/>	\$ 2,723.97

Refunds:

Fire Department	\$ 17.95	
Highway Department	32.36	
Public Welfare	4.00	
Public Library	1.60	
Water Department	22.00	
Municipal Light Department	83.94	
Insurance Account	63.30	
State Aid	12.00	
Soldiers' Relief	24.00	
Miscellaneous Expense Account	16.13	
	<hr/>	\$ 277.28

Other Receipts:

Municipal Building Account	27.00
Moth Department	2.00
Assessors' Expense Account	3.35
Sale of Land	15.00
Sundry Receipts	1.00

Unidentified Cash	10.43	
		\$ 58.78
Total Receipts		\$1,352,673.82

PAYMENTS**GENERAL GOVERNMENT**

Selectmen's Expenses	\$ 298.82	
Selectmen's Clerical	1,310.00	
Town Accountant's Salary	2,000.00	
Treasurer's Salary	1,200.00	
Treasurer's Expenses	554.91	
Collector's Salary	2,300.00	
Collector's Expenses	1,252.29	
Collector's Clerical	200.00	
Assessors' Salaries	1,800.00	
Assessors' Expenses	1,306.44	
Assessors' Clerical	2,720.00	
Block System Survey	542.50	
Town Counsel's Salary	500.00	
Town Counsel's Expenses	66.07	
Town Clerk's Salary	350.00	
Town Clerk's Expenses	581.77	
Bd. of Pub. Wks. Sal. and Off. Exp.	5,994.86	
Registrars' Salaries	250.00	
Election and Registration Expenses	477.62	
		\$ 23,705.28

GENERAL ACCOUNTS

Miscellaneous Expenses	\$ 2,214.54	
Municipal Building Maintenance	2,410.92	
Fire Stations, Maintenance	1,241.48	
G. A. R. Rooms, Light	8.20	
Insurance	5,027.25	
Interest	31,979.80	
Maturing Debt, not including Water, Light or Sewer	38,000.00	
Planning Board Expenses	103.00	
		\$ 80,985.19

PROTECTION OF PERSONS AND PROPERTY

Police Dept., Maintenance	\$ 2,861.12	
Police Dept. Salaries and Spec. Officers	28,678.11	
Fire Dept., Maintenance	2,216.95	
Fire Dept., Salaries	19,300.00	
Fire Dept., Call Men, Salaries	3,367.00	

Fire Alarm, Maintenance and New Boxes	1,086.18
Moth Dept., Maintenance	5,999.15
Tree Warden, Maintenance	2,499.04
Forest Warden, Maintenance	410.14
Hydrant Rentals	7,910.00
Drinking Fountains	100.00
Inspector of Buildings, Salary	500.00
Inspector of Wires, Salary	200.00
Inspector of Wires, Expenses	34.09
Sealer of W. and M. Salary	500.00
Sealer of W. and M., Expenses	189.96
	<hr/> \$ 75,851.74

HEALTH AND SANITATION

Board of Health, Salaries	\$ 300.00
Board of Health, Expenses	449.50
Inspector of Plumbing, Salary	800.00
Inspector of Animals, Salary	200.00
Inspector of Milk, Salary	100.00
Care of Contagious Diseases	1,195.72
Garbage Collection	2,300.00
	<hr/> \$ 5,345.22

HIGHWAYS

Highway Dept., Maintenance	\$ 46,548.08
Sidewalk Construction	7,252.13
Snow and Ice Removal	4,971.80
Maintenance Storm Drains	2,636.83
Drainage System	18,295.83
Care of Dumps	451.79
	<hr/> \$ 80,156.46
Street Lighting	\$ 13,000.00

CHARITIES AND AID

Board of Public Welfare:

Visitor's Salary	\$ 600.00
Clerical Salary	352.00
Aid, Board and Care	10,934.85
Mothers' Aid	3,718.13
Temporary Aid	2,167.22
	<hr/> \$ 17,772.20

SOLDIERS' BENEFITS

State Aid	\$ 108.00	
Military Aid	115.00	
Soldiers' Relief	6,362.61	
	<hr/>	\$ 6,585.61

EDUCATION

School Department:

General Maintenance	\$ 53,312.36	
General Salaries	171,426.31	
Agricultural Maintenance	147.35	
Agricultural Salaries	2,634.86	
Industrial Tuition	582.98	
	<hr/>	\$228,103.86
Public Library Maintenance	\$ 2,945.99	
Public Library Salaries	4,450.95	
Public Library Special Account	10.00	
	<hr/>	\$ 7,406.94

RECREATION

Park Dept., Maintenance	\$ 2,512.80
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CEMETERIES

Laurel Hill Cemetery, Maintenance	\$ 12,843.71
Forest Glen Cemetery, Development	1,953.40
	<hr/>
	\$ 14,797.11

MEMORIAL DAY

Memorial Day Observance	\$ 499.61
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OTHER PAYMENTS

Veteran Post No. 194 G. A. R. Rent	\$ 360.00
Care Soldiers' Graves	600.00
Child Welfare Work	300.00
Middlesex Co. Bur. of Agri.	100.00
Reading Post 162 A. L. Rent	1,000.00
Junior High School Building	392.94
Sewer Dept., Maint. Incl. Bond Payments	12,696.50
Sewer Dept., House Connections	1,268.86
Water Dept., Main. Incl. Bond and	
Int. Payments	47,355.73
Water Mains Extension	722.72
Municipal Light Dept., Maint. Incl. Bond and	
Notes and Interest	313,065.64

State Tax	18,020.00	
County Tax	23,151.46	
State Highway Tax	1,584.45	
Snow Removal Tax	157.79	
Fire Prevention Tax	128.41	
Municipal Lighting Tax	146.28	
Auditing Municipal Accounts	1,871.79	
Metropolitan Sewer Assessments	11,812.19	
Temp. Loans, Anticipation of Revenue	320,000.00	
Cemetery Bequest Fund Transfer	6,574.92	
Hospital Fund Transfer	9,653.47	
R. H. Sch. Scholarship Fund Transfer	250.00	
Smith-Hughes Fund to Agr. Dept. Salaries ...	161.78	
Mineral Street Bridge	4,300.00	
Unpaid Bills 1928, forward to 1929	1,425.07	
Reimbursement, H. E. Bussell	345.78	
Police Dept., Garage	742.80	
Traffic Signal, Prescott St. and Summer Ave. .	559.42	
Fire Dept., Seagrave Pumping Engine	8,750.00	
Plans for Reading Common Improvement	499.22	
Fire Dept., Chief's Auto	1,200.00	
Removal Richardson House and Grading Lot .	355.00	
Refunds from Guarantee Deposits	663.38	
Refunds Per. and Real Estate Taxes 1927-1929	237.53	
Refunds, Motor Vehicle Excise Taxes	583.92	
Refunds, Miscellaneous	3.05	
		<hr/>
		\$791,040.10
		<hr/>
Total Payment		\$1,347,762.12

TREASURER'S CASH

Balance on hand Jan. 1, 1929	\$ 44,429.58
Receipts, 1929	1,352,673.82
Payments, 1929	1,347,762.12
	<hr/>
Balance on hand, Dec. 31, 1929	\$ 49,341.28

APPROPRIATIONS FOR 1929

GENERAL GOVERNMENT

Selectmen's Expenses	\$ 300.00
Selectmen's Clerical	1,310.00
Town Accountant's Salary	2,000.00
Treasurer's Salary	1,200.00
Treasurer's Expenses	600.00

Collector's Salary	2,300.00	
Collector's Expenses	1,000.00	
Collector's Clerical	200.00	
Assessors' Salaries	1,800.00	
Assessors' Expenses	1,400.00	
Assessors' Clerical	2,720.00	
Block System Survey	500.00	
Town Counsel's Salary	500.00	
Town Counsel's Expenses	100.00	
Town Clerk's Salary	350.00	
Town Clerk's Expenses	600.00	
Board of Pub. Wks. Salary and Off. Exp.	6,000.00	
Registrar's Salaries	250.00	
Election and Registration Expenses	500.00	
		<hr/>
		\$ 23,630.00

GENERAL ACCOUNTS

Miscellaneous Expenses	\$ 2,500.00	
Municipal Bldg., Maintenance	3,000.00	
Fire Stations, Maintenance and Repairs	1,600.00	
G. A. R. Rooms, Light	25.00	
Insurance	2,500.00	
Interest	33,000.00	
		<hr/>
		\$ 42,625.00

PROTECTION OF PERSONS AND PROPERTY

Police Dept., Maintenance	\$ 2,500.00	
Police Dept., Salaries and Special Officers	29,040.00	
Fire Dept., Maintenance	2,200.00	
Fire Dept., Salaries	19,300.00	
Fire Dept., Call Men Salaries	3,367.00	
Fire Alarm, Maintenance	1,050.00	
Moth Dept., Maintenance	6,000.00	
Tree Warden, Maintenance	2,500.00	
Forest Warden, Maintenance	500.00	
Inspector of Buildings, Salary	500.00	
Inspector of Wires, Salary	200.00	
Inspector of Wires, Expenses	50.00	
Sealer of W. and M., Salary	500.00	
Sealer of W. and M., Expenses	225.00	
		<hr/>
		\$ 67,932.00
Hydrant Rentals	\$ 7,910.00	
Drinking Fountains	100.00	
		<hr/>
		\$ 8,010.00

HEALTH AND SANITATION

Board of Health, Salaries	\$ 300.00	
*Board of Health, Expenses	1,100.00	
Inspector of Plumbing, Salary	800.00	
Inspector of Animals, Salary	200.00	
Inspector of Milk, Salary	100.00	
Care of Contagious Diseases	2,000.00	
Garbage Collection	2,300.00	
	<hr/>	\$ 6,800.00

Note:—Transferred for Care of Dumps \$500.00

HIGHWAYS AND SIDEWALKS

Highway Dept., Maintenance	\$ 45,000.00	
Sidewalk Construction	8,000.00	
Snow and Ice Removal	5,000.00	
Maintenance of Storm Drains	3,000.00	
	<hr/>	\$ 61,000.00
Street Lighting		\$ 13,000.00

CHARITIES AND AID

Board of Public Welfare:		
Visitor's Salary	\$ 600.00	
Clerical Salary	352.00	
Aid, Board and Care	10,000.00	
Mother's Aid	4,000.00	
Temporary Aid	2,500.00	
	<hr/>	\$ 17,452.00

SOLDIERS' BENEFITS

State Aid	\$ 300.00	
Military Aid	500.00	
Soldiers' Relief	5,000.00	
	<hr/>	\$ 5,800.00

EDUCATION

School Department:		
General Maintenance	\$ 56,000.00	
General Salaries	172,000.00	
Agricultural Maintenance	300.00	
Agricultural Salaries	2,800.00	
Industrial Tuition	500.00	
	<hr/>	\$231,600.00
Public Library, Maintenance	\$ 3,000.00	
Public Library, Salaries	4,500.00	
	<hr/>	\$ 7,500.00

RECREATION

Park Dept., Maintenance	\$ 2,500.00
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CEMETERIES

Laurel Hill Cemetery, Maintenance	\$ 9,637.00
Forest Glen Cemetery, Development	1,500.00
	<hr/>
	\$ 11,137.00

MEMORIAL DAY

Memorial Day Observance	\$ 500.00
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OTHER APPROPRIATIONS

Storm Water Drainage System	\$ 20,000.00
Child Welfare Work	300.00
Middlesex County Bu. of Agr.	100.00
Reading Post No. 62 Am. Legion Rent	1,000.00
Veteran Post No. 194 G. A. R. Rent	360.00
Care Soldiers' Graves	600.00
Overdrafts, 1928	172.10
Unpaid Bills, 1928	1,539.07
Fire Chief's Auto	1,200.00
Fire Dept. Pumping Engine	8,750.00
Plans Reading Common	500.00
Police Dept., Garage	750.00
Traffic Signal	565.00
Removal Richardson House	600.00
Reimbursement H. E. Bussell	345.78
Reserve Fund	5,000.00
	<hr/>
	\$ 41,781.95

Total Appropriations from Tax Levy	\$541,267.95
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APPROPRIATION NOT FROM TAX LEVY

Maturing Debt from E. and D. Account	38,000.00
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RECAPITULATION

Town Expenses Debt, Etc.	\$541,267.95
State Taxes and Assessments	33,720.91
County Taxes	23,151.46
Overlay Deficit, 1927	22.62
	<hr/>
	\$598,162.94
Overlay	3,882.05
	<hr/>
	\$602,044.99

VALUATION		APPROPRIATIONS	
1929			
Real Estate	\$14,168,645.00	Town Purposes . \$	541,267.95
Personal Estate	1,057,474.00	State and County	
		Taxes, Etc. . .	56,872.37
Total Valuation	\$15,226,119.00	Overlay	3,904.67
Assessed @ \$30.30			
Real Estate Tax	429,312.97		\$ 602,044.99
Personal Estate	32,042.02		
	\$ 461,354.99		
Poll Tax 2845 @ \$2.00	56.90	Less Est. Receipts	135,000.00
	\$467,044.99		\$ 467,044.99

December Commitment

Real Estate	\$ 5,100.00	Real Est. Tax	\$ 154.54
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STATE AND COUNTY TAXES, ASSESSMENTS, ETC.

1929

Commonwealth of Massachusetts:

State Tax	\$ 18,020.00		
State Highway Tax	1,584.45		
Fire Prevention Tax	128.41		
Municipal Lighting Tax	146.28		
Snow Removal Tax	157.79		
Metropolitan Sewerage Assessments	11,812.19		
County of Middlesex, County Taxes	23,151.46		
Auditing Municipal Accounts	1,871.79		
			\$ 56,872.37

TAXES 1927

Balance uncollected Jan. 1, 1929	\$ 199.57		
Collected 1929		\$ 154.94	
Abatements		44.63	
	\$ 199.57	\$ 199.57	

TAXES 1928

Balance uncollected Jan. 1, 1929	\$155,674.26		
Charged back from Tax Titles	79.56		
Collected 1929		\$152,054.04	
Abatements		1,022.31	

Transfers to Tax Titles	1,110.54	
Balance to 1930	1,566.93	
	<hr/>	<hr/>
	\$155,753.82	\$155,753.82

TAXES 1929

Commitments, May-Sept.	\$467,044.99	
Commitment, Dec.	176.54	
Collected 1929		\$314,261.66
Abatements		1,210.76
Transfers to Tax Titles		2,529.66
Balance to 1930		149,219.45
	<hr/>	<hr/>
	\$467,221.53	\$467,221.53

MOTOR VEHICLE EXCISE TAX

Commitments	\$ 30,178.79	
Collected		\$ 19,916.60
Abatements		2,179.31
Balance to 1930		8,082.88
	<hr/>	<hr/>
	\$ 30,178.79	\$ 30,178.79

MOTH 1928

Balance uncollected Jan. 1, 1929	\$ 376.25	
Collected		\$ 375.75
Abatement .....		.50
	<hr/>	<hr/>
	\$ 376.25	\$ 376.25

MOTH 1929

Commitment	\$ 919.75	
Collected		\$ 548.25
Balance 1930		371.50
	<hr/>	<hr/>
	\$ 919.75	\$ 919.75

SIDEWALK ASSESSMENT 1929

Commitment 1929	\$ 24.79	
Collected		\$ 24.79
	<hr/>	<hr/>
	\$ 24.79	\$ 24.79

SEWER ASSESSMENT**Unapportioned**

Balance uncollected Jan. 1, 1929	\$ 274.68	
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Betterments assessed in 1929	96.02		
Collected		\$	370.70
		<hr/>	
	\$ 370.70	\$	370.70

SEWER ASSESSMENTS**Apportionment of 1928**

Balance uncollected Jan. 1, 1928	\$ 777.44		
Collected		\$	777.44
		<hr/>	
	\$ 777.44	\$	777.44

SEWER ASSESSMENTS**Apportionment of 1929**

Commitment	\$ 1,595.43		
Collected		\$	847.87
Balance to 1930			747.56
		<hr/>	
	\$ 1,595.43	\$	1,595.43

INTEREST ON SEWER ASSESSMENTS

Balance uncollected Jan. 1, 1929	\$ 189.16		
Commitment 1929	341.46		
Additional Charges	66.99		
Collected		\$	440.36
Balance to 1930			157.25
		<hr/>	
	\$ 597.61	\$	597.61

SEWER ASSESSMENT**Apportioned Receivable—Deferred Payments 1929 to 1939**

Balance uncollected Jan. 1, 1929	\$ 5,787.48		
Assessments 1929	112.00		
Receipts Advanced Payments		\$	96.51
Committed to Collector			1,595.43
Balance Dec. 31, 1929			4,207.54
		<hr/>	
	\$ 5,899.48	\$	5,899.48

SEWER RENTALS

Balance uncollected Jan. 1, 1929	\$ 307.50		
Charged in 1929	8,967.00		
Collected		\$	9,045.71
Abatements			1.09
Balance to 1930			227.70
		<hr/>	
	\$ 9,274.50	\$	9,274.50

OVERLAY 1927

Balance Jan. 1, 1929		\$	24.01
Appropriation			22.62
Abatements 1929	44.63		
Refund	2.00		
		\$	46.63
		\$	46.63

OVERLAY 1928

Balance Jan. 1, 1929		\$	1,563.51
Refunds	\$ 46.91		
Abatements	1,022.31		
Balance to 1930	494.29		
		\$	1,563.51
		\$	1,563.51

OVERLAY 1929

Appropriation		\$	3,882.05
Refunds	\$ 188.62		
Abatements	1,210.76		
Balance to 1930	2,482.67		
		\$	3,882.05
		\$	3,882.05

OVERLAY RESERVE FUND

Balance Jan. 1, 1929		\$	950.24
Balance to 1930	\$ 950.24		
		\$	950.24
		\$	950.24

DEPARTMENTAL ACCOUNTS**Receivable**

Balance Jan. 1, 1929		\$	16,358.71
Charges			29,496.48
Receipts	\$ 26,372.15		
Credits, Etc.	5,007.70		
Committed to Collector	944.54		
Balance to 1930	13,530.80		
		\$	45,855.19
		\$	45,855.19

WATER DEPARTMENT**Accounts Receivable****Dr.**

Balance Jan. 1, 1929	\$	357.46
Meter Rates, Etc., Charged in 1929		56,403.93

Cr.

Receipts, 1929	\$ 56,056.88	
Discounts and Adjustments	243.63	
Balance Dec. 31, 1929	460.88	
	<hr/>	<hr/>
	\$ 56,761.39	\$ 56,761.39

MUNICIPAL LIGHT DEPARTMENT

Accounts Receivable

Dr.

Balance Jan. 1, 1929	\$ 34,360.81
Light, Power, Etc., charged 1929	324,370.77

Cr.

Receipts, 1929	\$303,090.95
Discounts and Adjustments	21,955.83
Balance Dec. 31, 1929	33,684.80
	<hr/>
	\$358,731.58
	\$358,731.58

CEMETERY RESERVE FUND

Cr.

Balance Jan. 1, 1929	\$ 4,040.22
Receipts, Sale Lots and Graves and Int.	2,144.49

Dr.

Appropriation	\$ 1,500.00
Balance to 1930	4,684.71
	<hr/>
	\$ 6,184.71
	\$ 6,184.71

TAX TITLES (HELD BY TOWN)

Dr.

Outstanding Jan. 1, 1929	\$ 6,536.08
Taxes, Etc. on property taken	3,807.61

Cr.

Receipts for redemption	\$ 1,715.25
Adjustments	107.96
Outstanding Dec. 31, 1929	8,628.44
	<hr/>
	\$ 10,343.69
	\$ 10,343.69

RESERVE FUND

Cr.

Appropriation	\$ 5,000.00
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Dr.

Transfers to Sundry Accounts	\$ 4,952.72	
Balance to Revenue	47.28	
	<hr/>	<hr/>
	\$ 5,000.00	\$ 5,000.00

EXCESS AND DEFICIENCY ACCOUNT

Cr.

Balance from 1928		\$ 43,565.45
Receipts, Redemption of Property		1,663.70
Transfers		19,253.32

Dr.

Appropriation, 1929	\$ 38,000.00	
To Tax Titles Revenue	3,640.20	
Balance to 1930	22,842.27	
	<hr/>	<hr/>
	\$ 64,482.47	\$ 64,482.47

APPROPRIATION ACCOUNTS**Selectmen's Expenses**

Cr.

Appropriation		\$ 300.00
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Dr.

Stationery and Postage	16.16	
Printing and Advertising	168.07	
Telephone	96.46	
All Other	18.13	

Total Payments	\$ 298.82	
Balance to Revenue	1.18	

\$ 300.00	\$ 300.00
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Selectmen's Clerical

Cr.

Appropriation		\$ 1,310.00
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Dr.

Leon G. Bent	\$ 1,310.00	
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\$ 1,310.00	\$ 1,310.00
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Town Accountant's Salary

Cr.

Appropriation		\$ 2,000.00
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Dr.

Leon G. Bent	\$ 2,000.00	
	<hr/>	
	\$ 2,000.00	\$ 2,000.00

Treasurer's Salary

Cr.

Appropriation		\$ 1,200.00
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Dr.

Preston F. Nichols	\$ 1,200.00	
	<hr/>	
	\$1,200.00	\$ 1,200.00

Treasurer's Expenses

Cr.

Appropriation		\$ 600.00
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Dr.

Stationery and Postage	\$ 145.10	
Certification of Notes	46.00	
Bond	220.00	
Telephone	69.09	
All Other	74.72	
	<hr/>	

Total Payments	\$ 554.91	
Balance to Revenue	45.09	
	<hr/>	

\$ 600.00 \$ 600.00

Tax Collector's Salary

Cr.

Appropriation		\$2,300.00
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Dr.

Grace V. Viall	\$ 2,300.00	
	<hr/>	
	\$ 2,300.00	\$ 2,300.00

Tax Collector's Expenses

Cr.

Appropriation		\$ 1,000.00
Transfer from Reserve Fund		300.00

Dr.

Stationery and Postage	\$ 268.08	
Printing and Advertising	210.50	
Bond	440.00	
Office Equipment	201.00	
Registry of Deeds	24.60	
Telephone	49.55	

All Others	58.56	
Total Payments	\$ 1,252.29	
Balance to Revenue	47.71	
	<hr/>	<hr/>
	\$ 1,300.00	\$ 1,300.00

Tax Collector's Clerical

Cr.

Appropriation		\$ 200.00
Various Parties	\$ 200.00	
	<hr/>	<hr/>
	\$ 200.00	\$ 200.00

Board of Assessors' Salaries

Cr.

Appropriation		\$ 1,800.00
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Dr.

Alvah W. Clark	\$ 600.00	
Geo. E. Horrocks	600.00	
J. Fred Richardson	600.00	
	<hr/>	<hr/>
	\$ 1,800.00	\$ 1,800.00

Board of Assessors' Expenses

Cr.

Appropriation		\$ 1,400.00
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Dr.

Assistant Assessors	\$ 174.00	
Stationery and Printing	113.94	
Printing Poll List	600.00	
Auto Hire	45.00	
Telephone	57.00	
Transfers	54.02	
Office Equipment	54.75	
All Other	207.73	
	<hr/>	

Total Payments	\$ 1,306.44	
Balance to Revenue	93.56	
	<hr/>	<hr/>

\$ 1,400.00	\$ 1,400.00
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Board of Assessors' Clerical

Cr.

Appropriation		\$ 2,720.00
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Dr.

Christine F. Atkinson	\$ 1,560.00	
Philomena C. Doucette	1,160.00	
	<hr/>	<hr/>
	\$ 2,720.00	\$ 2,720.00

Block System Survey

Cr.

Balance from 1928		\$ 47.00
Appropriation		500.00

Dr.

Davis & Abbott	\$ 542.50	
Balance to 1930	4.50	
	<hr/>	<hr/>
	\$ 547.00	\$ 547.00

Town Counsel's Salary

Cr.

Appropriation		\$ 500.00
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Dr.

Melville F. Weston	\$ 500.00	
	<hr/>	<hr/>
	\$ 500.00	\$ 500.00

Town Counsel's Expenses

Cr.

Appropriation		\$ 100.00
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Dr.

Clerical	\$ 25.00	
All Other	41.07	

Total Payments	\$ 66.07	
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Balance to Revenue	33.93	
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	<hr/>	<hr/>
\$ 100.00	\$ 100.00	

Town Clerk's Salary

Cr.

Appropriation		\$ 350.00
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Dr.

Millard F. Charles	\$ 350.00	
	<hr/>	<hr/>
	\$ 350.00	\$ 350.00

Town Clerk's Expenses

Cr.

Appropriation		\$ 600.00
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Dr.

Canvassing Births	\$ 65.00
Recording, Etc.	276.00
Stationery and Postage	48.66
Reporting Returns	35.50
Bond	10.00
Clerical Assistance	84.00
All Other	62.61

Total Payments	\$ 581.77
Balance to Revenue	18.23

\$ 600.00	\$ 600.00
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Board of Public Works**Cr.**

Appropriation	\$ 6,000.00
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Dr.

Superintendent's Salary	\$ 3,046.08
Clerical	1,417.00
Bonds	37.00
Office Supplies and Equipment	847.95
Telephone	218.87
Insurance	99.74
All Other	328.22
Balance to Revenue	5.14

\$ 6,000.00	\$ 6,000.00
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Miscellaneous Expenses**Cr.**

Appropriation	\$ 2,500.00
Transfer Refund	16.13

Dr.

Printing Town Reports	\$ 1,256.00
Stationery and Printing, Accounting Dept.	234.65
Old South Clock and Reading Sign, care and lighting	249.32
Richardson House Expense	31.00
Finance Com. Expense	133.00
Board of Appeal Expense	52.88
Inspector of Buildings, Expense	5.25
All Other	252.44

Total Payments	\$ 2,214.54
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Balance to Revenue 301.59

\$ 2,516.13 \$ 2,516.13

Board of Registrars' Salaries

Cr.

Appropriation \$ 250.00

Dr.

Walter S. Prentiss \$ 60.00

Owen McKenney 60.00

Robert S. Ralston 60.00

Millard F. Charles, Clerk 70.00

\$ 250.00 \$ 250.00

Election Expenses

Cr.

Appropriation \$ 500.00

Dr.

Election Officers \$ 253.46

Rent of Hall 88.00

Printing 105.00

Installing Booths and Additional Equipment .. 21.86

All Other 9.30

Total Payments \$ 477.62

Balance to Revenue 22.38

\$ 500.00 \$ 500.00

Municipal Building, Maintenance

Cr.

Appropriation \$ 3,000.00

Dr.

Janitor's Services \$ 1,040.00

Fuel 216.47

Light 197.02

Water and Sewer 23.60

Repairs and Equipment 769.64

Supplies 130.87

All Other 33.32

Total Payments \$ 2,410.92

Balance to Revenue 589.08

\$ 3,000.00 \$ 3,000.00

Fire Stations, Maintenance

Cr.		
Appropriation		\$ 1,600.00
Dr.		
Fuel	\$ 625.13	
Light	166.43	
Water and Sewer	89.80	
Repairs	338.95	
All Other	21.17	
		<hr/>
Total Payments	\$ 1,241.48	
Balance to Revenue	358.52	
		<hr/>
	\$ 1,600.00	\$ 1,600.00

G. A. R. Rooms, Lighting

Cr.		
Appropriation		\$ 25.00
Dr.		
Municipal Light Dept.	\$ 8.20	
Balance to Revenue	16.80	
		<hr/>
	\$ 25.00	\$ 25.00

G. A. R. Rooms, Rent

Cr.		
Appropriation		\$ 360.00
Dr.		
M. E. Brande	\$ 360.00	
		<hr/>
	\$ 360.00	\$ 360.00

Insurance

Cr.		
Appropriation		\$ 2,500.00
Rebates, Return Premiums, Etc.		2,787.27
Dr.		
Various Parties, Premiums	\$ 5,027.25	
Balance to Revenue	260.02	
		<hr/>
	\$ 5,287.27	\$ 5,287.27

Interest

Cr.		
Appropriation		\$ 33,000.00

Dr.

Interest on Temp. Loans	\$ 13,827.30	
All Other	18,152.50	
	<hr/>	
	\$ 31,979.80	
Balance to Revenue	1,020.20	
	<hr/>	
	\$ 33,000.00	\$ 33,000.00

Police Department, Maintenance

Cr.

Appropriation	\$ 2,500.00
Transfer from Reserve Fund	361.12

Dr.

Telephone	\$ 180.64	
Auto and Motor Cycle Expense	624.86	
Chief's Expenses	47.10	
Traffic Signals and Street Lines	851.89	
Printing	42.75	
Equipment	771.81	
Insurance	169.43	
All Other	172.64	
	<hr/>	
	\$ 2,861.12	\$ 2,861.12

Police Department, Salaries
and Special Officers

Cr.

Appropriation	\$ 29,040.00
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Dr.

Pay Rolls	\$ 28,678.11	
Balance to Revenue	361.89	
	<hr/>	
	\$ 29,040.00	\$ 29,040.00

Fire Department, Maintenance

Cr.

Appropriation	\$ 2,200.00
Refund	17.95

Dr.

Telephones	\$ 123.39	
Equipment, Repairs and Maintenance	1,908.47	
All Other	185.09	
	<hr/>	
Total Payments	\$ 2,216.95	

Balance to Revenue	1.00	
	<hr/>	<hr/>
	\$ 2,217.95	\$ 2,217.95
Fire Department, Salaries		
Cr.		
Appropriation		\$ 19,300.00
Dr.		
Pay Rolls	\$ 19,300.00	
	<hr/>	<hr/>
	\$ 19,300.00	\$ 19,300.00
Fire Department, Call Men, Salaries		
Cr.		
Appropriation		\$ 3,367.00
Dr.		
Pay Rolls	\$ 3,367.00	
	<hr/>	<hr/>
	\$ 3,367.00	\$ 3,367.00
Fire Alarm, Maintenance		
Cr.		
Appropriation		\$ 1,050.00
Transfer from Reserve Fund		50.00
Dr.		
Supt. Salary	\$ 250.00	
Pay Roll	20.40	
Auto Expense	41.82	
Material and Supplies	763.43	
All Other	10.53	
	<hr/>	
Total Payments	\$ 1,086.18	
Balance to Revenue	13.82	
	<hr/>	<hr/>
	\$ 1,100.00	\$ 1,100.00
Forest Warden, Maintenance		
Cr.		
Appropriation		\$ 500.00
Dr.		
Pay Roll	\$ 52.50	
Supplies	348.35	
All Other	9.29	
	<hr/>	
Total Payments	\$ 410.14	
Balance to Revenue	89.86	
	<hr/>	<hr/>
	\$ 500.00	\$ 500.00

Moth Department, Maintenance

Cr.		
Appropriation		\$ 6,000.00
Dr.		
Pay Roll	\$ 4,366.57	
Telephone	27.94	
Auto Expense	612.55	
Rent	124.00	
Material and Supplies	421.52	
Insurance	412.07	
All Other	34.50	
		<hr/>
Total Payments	\$ 5,999.15	
Balance to Revenue .....	.85	
		<hr/>
	\$ 6,000.00	\$ 6,000.00

Tree Warden, Maintenance

Cr.		
Appropriation		\$ 2,500.00
Dr.		
Pay Roll	\$ 1,316.25	
Material and Supplies	1,150.22	
All Other	32.57	
		<hr/>
Total Payments	\$ 2,499.04	
Balance to Revenue .....	.96	
		<hr/>
	\$ 2,500.00	\$ 2,500.00

Hydrant Rentals

Cr.		
Appropriation		\$ 7,910.00
Dr.		
Water Dept.	\$ 7,910.00	
		<hr/>
	\$ 7,910.00	\$ 7,910.00

Drinking Fountains

Cr.		
Appropriation		\$ 100.00
Dr.		
Water Dept.	\$ 100.00	
		<hr/>
	\$ 100.00	\$ 100.00

Inspector of Buildings

Cr.

Appropriation		\$	500.00
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Dr.

A. Russell Barnes	\$	500.00	
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	\$	500.00	\$	500.00
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Inspector of Wires

Cr.

Appropriation		\$	200.00
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Dr.

Hugh L. Eames	\$	200.00	
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	\$	200.00	\$	200.00
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Inspector of Wires, Expenses

Cr.

Appropriation		\$	50.00
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Dr.

Material and Supplies		34.09	
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Balance to Revenue		15.91	
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	\$	50.00	\$	50.00
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Sealer of Weights and Measures

Cr.

Appropriation		\$	500.00
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Dr.

Carl M. Smith	\$	500.00	
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	\$	500.00	\$	500.00
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Sealer of Weights and Measures, Expenses

Cr.

Appropriation			225.00
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Dr.

Auto Expense	\$	160.50	
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Insurance		13.60	
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All Other		15.86	
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Total Payments	\$	189.96	
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Balance to Revenue		35.04	
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	\$	225.00	\$	225.00
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Board of Health, Salaries

Cr.			
Appropriation		\$	300.00
Dr.			
E. M. Halligan, M. D., Chairman	\$	75.00	
C. H. Playdon, M. D. V.		12.50	
C. F. Atkinson, Secretary		150.00	
Geo. W. S. Ide		62.50	
		<hr/>	
	\$	300.00	\$ 300.00

Board of Health, Expenses

Cr.			
Appropriation		\$	1,100.00
Dr.			
Supplies	\$	16.06	
Telephone		47.81	
Inspection of Slaughtering	\$	200.00	
All Other		185.63	
		<hr/>	
Total Payments	\$	449.50	
Transferred to Care of Dumps		500.00	
		<hr/>	
Total Payments	\$	949.50	
Balance to Revenue		150.50	
		<hr/>	
	\$	1,100.00	\$ 1,100.00

Inspector of Plumbing

Cr.			
Appropriation		\$	800.00
Dr.			
David Taggart	\$	800.00	
		<hr/>	
	\$	800.00	\$ 800.00

Care of Contagious Diseases

Cr.			
Appropriation		\$	2,000.00
Dr.			
Hospital Care	\$	1,175.57	
Supplies		20.15	
		<hr/>	
Total Payments	\$	1,195.72	
Balance to Revenue		804.28	
		<hr/>	
	\$	2,000.00	\$ 2,000.00

Garbage Collection**Cr.**

Appropriation		\$ 2,300.00
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Dr.

Jos. Farpelha	\$ 2,300.00	
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	<u>\$ 2,300.00</u>	<u>\$ 2,300.00</u>
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Inspector of Animals**Cr.**

Appropriation		\$ 200.00
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Dr.

C. H. Playdon, M. D. V.	\$ 200.00	
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	<u>\$ 200.00</u>	<u>\$ 200.00</u>
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Inspector of Milk**Cr.**

Appropriation		\$ 100.00
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Dr.

Carl M. Smith	\$ 100.00	
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	<u>\$ 100.00</u>	<u>\$ 100.00</u>
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SEWER DEPARTMENT**Construction and Maintenance****Cr.**

Balance from 1928		\$ 13,276.00
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Receipts		11,578.59
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Transfers, Etc.		205.51
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Dr.

Pay Roll	\$ 3,102.68	
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Bonds	8,000.00	
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Equipment and Supplies	751.75	
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Repairs	5.00	
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Auto Expense	239.94	
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Insurance	321.10	
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All Other	276.03	
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Total Payments	<u>\$ 12,696.50</u>	
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Balance to 1930	12,363.60	
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	<u>\$ 25,060.10</u>	<u>\$ 25,060.10</u>
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SEWER DEPARTMENT**House Connections****Cr.**

Balance from 1928	\$ 200.00
Receipts, Guarantee Deposits	1,779.41

Dr.

Pay Roll	\$ 974.56	
Equipment and Supplies	264.10	
Refunds on Deposits	328.19	
All Other	30.20	
Total Payments	\$ 1,597.05	
Transfer to Maintenance Account	182.36	
Balance to 1930	200.00	
	\$ 1,979.41	\$ 1,979.41

Highway Department**Cr.**

Appropriation	\$ 45,000.00
Transfer from Reserve Fund	2,500.00
Refunds	32.36

Dr.

Pay Roll	\$ 14,437.92	
Telephone	78.83	
Equipment and Repairs	8,291.19	
Material and Supplies	18,106.22	
Truck and Auto Expense	1,740.38	
Insurance	1,370.49	
Street Signs	359.00	
All Other	2,164.05	
Total Payments	\$ 46,548.08	
Balance to Revenue	984.28	
	\$ 47,532.36	\$ 47,532.36

Sidewalk Construction**Cr.**

Appropriation	\$ 8,000.00
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Dr.

Pay Roll	\$ 1,169.43
Construction per Contract (Granolithic)	1,031.25
Construction, Repairs (Tar)	1,262.60
Material	3,714.17

All Other	74.68		
	<hr/>		
Total Payments	\$ 7,252.13		
Balance to Revenue	747.87		
	<hr/>		
	\$ 8,000.00	\$ 8,000.00	
Snow and Ice Removal			
Cr.			
Appropriation		\$ 5,000.00	
Dr.			
Pay Roll	\$ 1,898.92		
Plowing and Hauling	1,135.50		
Equipment, Repairs and Supplies	1,937.38		
	<hr/>		
Total Payments	\$ 4,971.80		
Balance to Revenue	28.20		
	<hr/>		
	\$ 5,000.00	\$ 5,000.00	
Maintenance Storm Drains			
Cr.			
Appropriation		\$ 3,000.00	
Dr.			
Pay Roll	\$ 1,961.52		
Material and Supplies	675.31		
	<hr/>		
Total Payments	\$ 2,636.83		
Balance to Revenue	363.17		
	<hr/>		
	\$ 3,000.00	\$ 3,000.00	
Drainage System			
Cr.			
Balance from 1928		\$ 6.55	
Appropriation		20,000.00	
Dr.			
Pay Roll	\$ 1,854.04		
Construction per Contract	12,559.95		
Engineering Fees	1,266.62		
Material and Repairs	1,562.47		
All Other	1,052.75		
	<hr/>		
Total Payments	\$ 18,295.83		
Balance to 1930	1,710.72		
	<hr/>		
	\$ 20,006.55	\$ 20,006.55	

Street Lighting

Cr.

Appropriation		\$ 13,000.00
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Dr.

Municipal Light Dept.	\$ 13,000.00	
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	\$ 13,000.00	\$ 13,000.00

Board of Public Welfare**Clerical**

Cr.

Appropriation		\$ 352.00
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Dr.

Leon G. Bent	\$ 352.00	
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	<hr/>	<hr/>
	\$ 352.00	\$ 352.00

Board of Public Welfare**Visitor**

Cr.

Appropriation		\$ 600.00
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Dr.

Helen A. Brown	\$ 600.00	
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	<hr/>	<hr/>
	\$ 600.00	\$ 600.00

Board of Public Welfare**Aid, Board and Care**

Cr.

Appropriation		\$ 10,000.00
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Receipts, Hospital Fund		569.95
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Transfer from Reserve Fund		360.90
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Refund		4.00
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Dr.

Cash and Board	\$ 8,041.03	
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Rent	651.50	
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Fuel and Groceries	785.61	
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Hospital and Medical	965.29	
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Comm. of Mass., Other Cities and Towns	312.00	
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All Other	179.42	
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	<hr/>	<hr/>
Total Payments	\$ 10,934.85	\$10,934.85

Mothers' Aid

Cr.

Appropriation		\$ 4,000.00
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Dr.

Cash	\$ 2,689.00	
Fuel and Groceries	202.80	
Medical	64.00	
Other Cities and Towns	762.33	
	<hr/>	
Total Payments	\$ 3,718.13	
Balance to Revenue	281.87	
	<hr/>	
	\$ 4,000.00	\$ 40,000.00

Temporary Aid

Cr.

Appropriation	\$ 2,500.00
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Dr.

Cash	\$ 1,034.00	
Rent	500.00	
Fuel and Groceries	598.02	
Medical	32.45	
All Other	2.75	
	<hr/>	
Total Payments	\$ 2,167.22	
Balance to Revenue	332.78	
	<hr/>	
	\$ 2,500.00	\$ 2,500.00

State Aid

Cr.

Appropriation	\$ 300.00
Receipts, Refund	12.00

Dr.

Cash Payments:

Acct. Civil War	\$ 72.00
Acct. Philippine Service	18.00
Acct. World War	18.00

Total Payments	\$ 108.00
Balance to Revenue	204.00

\$ 312.00	\$ 312.00
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Military Aid

Cr.

Appropriation	\$ 500.00
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Dr.

Cash Payments:

Acct. World War	\$	115.00
Balance to Revenue		385.00

	\$	500.00	\$	500.00
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Soldiers' Relief

Cr.

Appropriation	\$	5,000.00
Refunds		24.00
Transfer from Reserve Fund		1,338.61

Dr.

Cash Payments:

Acct. Civil War	\$	781.00
Acct. Spanish War		90.00
Acct. Philippine Service		753.00
Acct. World War		4,133.00
Rent, Acct. World War		260.00
Fuel, Groceries, Acct. World War		280.11
Medical and Hospital, Acct. World War		28.00
All Other		37.50

Total Payments	\$	6,362.61	\$	6,362.61
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SCHOOL DEPARTMENT

General Salaries

Cr.

Appropriation	\$172,000.00
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Dr.

Pay Roll, Supt. Tea. and Clerical	\$151,553.81
Medical Inspection	1,000.00
School Nurses	2,420.00
Attendance Officer	500.00
Janitors	15,952.50

Total Payments	\$171,426.31
Balance to Revenue	573.69

	\$172,000.00	\$172,000.00
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General Maintenance

Cr.

Appropriation	\$ 56,000.00
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Dr.			
Transportation	\$	6,120.62	
Tuition		169.14	
Books		5,025.10	
Supplies for Pupils		6,364.39	
Apparatus for Teaching		2,642.51	
Administrative Expense		2,409.89	
Fuel		8,000.00	
Gas and Electricity		2,368.71	
Water and Sewer		1,968.95	
Janitor Supplies		2,279.28	
Repairs		15,367.37	
Ashes and Trucking		596.40	
Total Payments	\$	53,312.36	
Balance to Revenue		2,687.64	
		\$ 56,000.00	\$ 56,000.00

Agricultural Department, Maintenance

Cr.			
Appropriation			\$ 300.00
Dr.			
Books, Etc.	\$	147.35	
Balance to Revenue		152.65	
		\$ 300.00	\$ 300.00

Agricultural Department, Salaries

Cr.			
Appropriation			\$ 2,800.00
Dr.			
Pay Roll	\$	2,634.86	
Balance to Revenue		165.14	
		\$ 2,800.00	\$ 2,800.00

Industrial Tuition

Cr.			
Appropriation			\$ 500.00
Dr.			
City of Boston	\$	188.44	
City of Somerville		370.54	
Town of Wakefield		24.00	
Total Payments	\$	582.98	

Balance to 1930		82.98
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	\$ 582.98	\$ 582.98
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Public Library Maintenance**Cr.**

Appropriation	\$ 3,000.00
Refund	1.60

Dr.

Books, Periodicals and Binding	\$ 2,275.38
Printing and Stationary	151.15
Fuel, Light, Water and Sewer	381.62
Repairs and Furnishings	57.16
Telephone	45.04
All Other Expenses	35.64

Total Payments	\$ 2,945.99
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Balance to Revenue	55.61
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	\$ 3,001.60	\$ 3,001.60
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Public Library, Salaries**Cr.**

Appropriation	\$ 4,500.00
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Dr.

Bertha L. Brown, Librarian	\$ 1,500.00
Grace J. Abbott Asst. Librarian	1,100.00
Other Assistants	1,850.95
W. H. Killam, Janitor	780.00

Total Payments	\$ 4,450.95
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Balance to Revenue	49.05
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	\$ 4,500.00	\$ 4,500.00
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PARK DEPARTMENT**Maintenance****Cr.**

Appropriation	\$ 2,500.00
Transfer from Reserve Fund	12.80

Dr.

Pay Roll	\$ 1,944.69
Telephone	7.77
Repairs	34.10
Supplies	402.55

Insurance	44.27	
All Other	79.42	
		<hr/>
Total Payments	\$ 2,512.80	\$2,512.80

CEMETERY DEPARTMENT

Laurel Hill Cemetery

Cr.

Appropriation from Tax Levy	\$ 9,637.00
Appropriation from Cemetery Reserve Fund ..	1,500.00
Transfer from Cemetery Bequest Fund	1,677.42
Transfer from Reserve Fund	29.29

Dr.

Pay Roll	\$ 8,815.59	
Telephone	93.21	
Material and Supplies	1,228.99	
Equipment and Repairs	2,019.03	
Auto Expense	177.11	
Insurance	97.40	
All Other	412.38	
		<hr/>
Total Payments	\$ 12,843.71	\$ 12,843.71

Forest Glen Cemetery

Cr.

Balance from 1928	\$ 454.50
Appropriation	1,500.00

Dr.

Pay Roll	\$ 402.64
Wall Construction	1,222.85
All Other	327.91

Total Payments	\$ 1,953.40
Balance to Revenue	1.10

\$ 1,954.50	\$ 1,954.50
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Care of Soldiers' Graves

Cr.

Appropriation	\$ 600.00
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Dr.

Pay Roll	\$ 470.30
Material, Etc.	129.70

\$ 600.00	\$ 600.00
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WATER DEPARTMENT

Cr.

Balance from 1928	\$ 8,083.82
Receipts, 1928	56,056.88
Refund	22.00

Dr.

Pay Roll	\$ 13,575.13
Clerical	975.00
Bonds	10,000.00
Interest on Bonds	2,287.50
Telephones	205.12
Insurance	729.84
Office Supplies and Printing	1,447.96
Fuel	2,107.48
Power	2,161.95
Supplies	5,599.50
Tools and Equipment	4,432.66
Repairs	1,071.00
Auto Equipment and Repairs	437.68
All Other	2,324.91

Total Payments	\$ 47,355.73
Balance to 1930	16,806.97

\$ 64,162.70	\$ 64,162.70
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WATER MAINS, EXTENSIONS

Cr.

Balance from 1928	\$ 1,945.30
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Dr.

Pay Roll	\$ 722.72
Balance to 1930	1,222.58

\$ 1,945.30	\$ 1,945.30
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MUNICIPAL LIGHT DEPARTMENT

Cr.

Receipts, Meter Rates, Etc.	\$303,089.43
Refunds, Etc.	85.46
Advanced by Treasurer, 1929	9,890.75

Dr.

Pay Roll	\$ 82,274.98
Bonds and Notes	13,800.00
Interest on Bonds and Notes	3,575.50

Office and Salesroom Expenses	5,419.14	
Current purchased	66,898.61	
Maintenance and Operation of Lines	35,117.30	
Insurance	5,299.42	
Coal	1,501.98	
Rent	1,774.09	
Additions to plant	46,961.71	
All Other Payments	50,442.91	
	<hr/>	<hr/>
	\$313,065.64	\$313,065.64

JUNIOR HIGH SCHOOL BUILDING

Construction and Equipment

Cr.

Balance from 1928		\$ 494.60
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Dr.

Allen Shade Holder Co.	\$ 392.94	
Balance to 1930	101.66	
	<hr/>	<hr/>
	\$ 494.60	\$ 494.60

MEMORIAL DAY OBSERVANCE

Cr.

Appropriation		\$ 500.00
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Dr.

Band Hire	165.00	
Flowers	166.25	
Printing	19.75	
All Other	148.61	
	<hr/>	<hr/>
Total Payments	\$ 499.61	
Balance to Revenue39	
	<hr/>	<hr/>
	\$ 500.00	\$ 500.00

Child Welfare Work

Cr.

Appropriation		\$ 300.00
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Dr.

Mrs. Bertha Benjamin	\$ 200.00	
Chas. R. Henderson, M. D.	100.00	
	<hr/>	<hr/>
	\$ 300.00	\$ 300.00

Middlesex County, Aid to Agriculture

Cr.

Appropriation		\$ 100.00
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Dr.

Agricultural Extension Service	\$	100.00	
	\$	100.00	\$ 100.00

Planning Board Expenses

Cr.

Balance from 1928			\$ 177.03
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Dr.

Mass. Fed. of Planning Boards	\$	30.00	
All Other		73.00	

Total Payments		103.00	
Balance to Revenue		74.03	

\$	177.03	\$	177.03
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SMITH-HUGHES FUND

Cr.

Balance from 1928			\$ 161.78
Receipts, 1929			176.68

Dr.

Pay Roll Agr. School Dept.	\$	161.78	
Balance to 1930		176.68	

\$	338.46	\$	338.46
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MINERAL STREET BRIDGE

Cr.

Balance from 1928			\$ 4,300.00
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Dr.

A. Bartington Acct. Contract	\$	4,192.00	
Morse & Dickinson, Engineering Fees		108.00	

\$	4,300.00	\$	4,300.00
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WORLD WAR MEMORIAL

Cr.

Appropriation			\$ 4,069.82
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Dr.

Balance to 1929	\$	4,069.82	
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\$	4,069.82	\$	4,069.82
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UNPAID BILLS 1928

Cr.

Appropriation			\$ 1,539.07
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Dr.

Fire Alarm Bills	\$	59.83	
Police Department Bills		40.00	
Public Welfare Bills		1,076.00	
Election Expenses		249.24	
Total Payments	\$	1,425.07	
Balance to Revenue		114.00	
	\$	1,539.07	\$ 1,539.07

DRAINAGE SYSTEM SURVEY

Cr.

Balance Jan. 1, 1929			\$ 1,000.00
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Dr.

Balance to 1930	\$	1,000.00	
	\$	1,000.00	\$ 1,000.00

OVERDRAFTS 1928

Cr.

Appropriation			\$ 172.10
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Dr.

Payments	\$	172.10	
	\$	172.10	\$ 172.10

FIRE CHIEF'S AUTO

Cr.

Appropriation			\$1,200.00
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Dr.

Wakefield Motor Sales Co.	\$	1,200.00	
	\$	1,200.00	\$ 1,200.00

Improvement Reading**Common, Plans**

Cr.

Appropriation			\$ 500.00
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Dr.

A. A. Shurtleff	\$	499.22	
Balance to Revenue78	
	\$	500.00	\$ 500.00

Fire Department, Pumping Engine**Cr.**

Appropriation			\$ 8,750.00
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Dr.

Seagrave Corporation	\$ 8,750.00	
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	\$ 8,750.00	\$ 8,750.00

Police Dept., Garage

Cr.

Appropriation		\$ 750.00
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Dr.

Whittredge Portable Buildings Co.	\$ 705.00	
Paint and Painting	37.80	
Balance to Revenue	7.20	
	<hr/>	
	\$ 750.00	\$ 750.00

Traffic Control Signal**Summer Avenue and Prescott Street**

Cr.

Appropriation		\$ 565.00
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Dr.

Municipal Light Dept.	\$ 559.42	
Balance to Revenue	5.58	
	<hr/>	
	\$ 565.00	\$ 565.00

Richardson House, Removal and Grading

Cr.

Appropriation		\$ 600.00
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Dr.

Chas. H. Ober	\$ 355.00	
Balance to Revenue	245.00	
	<hr/>	
	\$ 600.00	\$ 600.00

Reimbursement, H. E. Bussell

Cr.

Appropriation		\$ 345.78
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Dr.

H. E. Bussell	\$ 345.78	
	<hr/>	
	\$ 345.78	\$ 345.78

Rent, Post 62, Am. Legion

Cr.

Appropriation		\$ 1,000.00
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Dr.

Reading Veterans Association	\$ 1,000.00	
	\$ 1,000.00	\$ 1,000.00

ACCOUNTING MUNICIPAL LOANS**TEMPORARY LOANS****Anticipation of Revenue**

Outstanding Jan. 1, 1929	\$125,000.00
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Notes Issued in 1929

Month	By whom purchased	Rate or disc.	Amt.	
Feb.—Second Nat'l Bank		5.25	\$ 45,000.00	
May—F. S. Moseley & Co.		5.49	75,000.00	
July—Second Nat'l Bank		5.43	75,000.00	
Dec.—Second Nat'l Bank		3.96	50,000.00	
Dec.—Faxon, Gade & Co., Inc.		3.98	100,000.00	
				\$345,000.00
				\$470,000.00

Notes Paid in 1929

November	\$245,000.00	
December	75,000.00	
		\$320,000.00
Outstanding Dec. 31, 1929		\$150,000.00

WATER DEPARTMENT LOANS

Outstanding Jan. 1, 1929	\$ 60,000.00	
Paid in 1929		\$ 10,000.00
Outstanding Dec. 31, 1929		50,000.00
	\$ 60,000.00	\$ 60,000.00

SEWER DEPARTMENT LOANS

Outstanding Jan. 1, 1929	\$151,000.00	
Paid in 1929		\$ 8,000.00
Outstanding Dec. 31, 1929		143,000.00
	\$151,000.00	\$151,000.00

MUNICIPAL LIGHT DEPARTMENT LOANS

Outstanding Jan. 1, 1929	\$ 81,100.00	
Paid in 1929		\$ 13,800.00
Outstanding Dec. 31, 1929		67,300.00
	\$ 81,100.00	\$ 81,100.00

MUNICIPAL BUILDING LOANS

Outstanding Jan. 1, 1929	\$ 18,000.00	
Paid in 1929		\$ 2,000.00
Outstanding Dec. 31, 1929		16,000.00
	<hr/>	<hr/>
	\$ 18,000.00	\$ 18,000.00

MUNICIPAL AND LIBRARY BUILDING GROUNDS

Outstanding Jan. 1, 1929	\$ 2,000.00	
Paid in 1929		\$ 500.00
Outstanding Dec. 31, 1929		1,500.00
	<hr/>	<hr/>
	\$ 2,000.00	\$ 2,000.00

BROWN ESTATE LOANS

Outstanding Jan. 1, 1929	\$ 2,000.00	
Paid in 1929		500.00
Outstanding Dec. 31, 1929		1,500.00
	<hr/>	<hr/>
	\$ 2,000.00	\$ 2,000.00

SCHOOL BUILDING LOANS

Outstanding Jan. 1, 1929	\$265,000.00	
Paid in 1929		\$ 35,000.00
Outstanding Dec. 31, 1929		230,000.00
	<hr/>	<hr/>
	\$265,000.00	\$265,000.00

FUNDED DEBT**Balancing Account**

Total Debt, Jan. 1, 1929 \$579,100.00

Paid in 1929

Sewer Dept. Loans	\$ 8,000.00
Water Dept. Loans	10,000.00

Light Dept. Loans	13,800.00
Municipal Bldg. Loans	2,000.00
Mun. Bldg. Loans and Library Ground Loans	500.00
Brown Estate Loans	500.00
School Building Loans	35,000.00

Total Payments 1929	\$ 69,800.00
Total Debt Dec. 31, 1929	509,300.00

\$579,100.00	\$579,100.00
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FUND DEBT MATURING IN 1929

Appropriation from Excess and Deficiency Acct.	\$ 38,000.00
Transfer from Water Dept.	10,000.00
Transfer from Light Dept.	13,800.00
Transfer from Sewer Dept.	8,000.00

Payment of Loans due in 1929:

Sewer Dept.	\$ 8,000.00
Water Dept.	10,000.00
Municipal Light Dept.	13,800.00
Municipal Building	2,000.00
Brown Estate	500.00
Municipal Building and Library	500.00
School Buildings	35,000.00

\$ 69,800.00	\$ 69,800.00
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FUNDED DEBT MATURING IN 1930

Sewer Dept. Loans	\$ 9,000.00
Water Dept. Loans	10,000.00
Light Dept. Loans	12,800.00
Municipal Building Loans	2,000.00
Municipal and Library Building Loans	500.00
Brown Estate Loans	500.00
School Building Loans	35,000.00

\$ 69,800.00

TOWN DEBT				DETAIL OF PAYMENT BY YEARS					
Year	Sewer Dept.	Water Dept.	Mun. Light Dept.	Mun. Bldg.	School Buildings	Lot Brown	Lib. and Mun. Bldg.	Grounds	Totals
1930	\$9,000.00	\$10,000.00	\$12,800.00	\$2,000.00	\$35,000.00	\$ 500.00	\$ 500.00	500.00	\$69,800.00
1931	9,000.00	5,000.00	11,000.00	2,000.00	35,000.00	500.00	500.00	500.00	63,000.00
1932	9,000.00	5,000.00	11,000.00	2,000.00	34,000.00	500.00	500.00	500.00	62,000.00
1933	9,000.00	5,000.00	8,000.00	2,000.00	34,000.00	.....	.....	.....	58,000.00
1934	9,000.00	5,000.00	6,000.00	2,000.00	34,000.00	.....	.....	.....	56,000.00
1935	8,000.00	5,000.00	6,000.00	2,000.00	34,000.00	.....	.....	.....	55,000.00
1936	8,000.00	3,000.00	4,000.00	2,000.00	24,000.00	.....	.....	.....	41,000.00
1937	8,000.00	2,000.00	2,500.00	2,000.00	.....	.....	.....	.....	14,500.00
1938	8,000.00	2,000.00	2,500.00	.....	.....	.....	.....	.....	12,500.00
1939	8,000.00	2,000.00	2,500.00	.....	.....	.....	.....	.....	12,500.00
1940	8,000.00	2,000.00	1,000.00	.....	.....	.....	.....	.....	11,000.00
1941	7,000.00	2,000.00	.....	.....	.....	.....	.....	.....	9,000.00
1942	7,000.00	2,000.00	.....	.....	.....	.....	.....	.....	9,000.00
1943	7,000.00	.....	.....	.....	.....	.....	.....	.....	7,000.00
1944	7,000.00	.....	.....	.....	.....	.....	.....	.....	7,000.00
1945	6,000.00	.....	.....	.....	.....	.....	.....	.....	6,000.00
1946	6,000.00	.....	.....	.....	.....	.....	.....	.....	6,000.00
1947	6,000.00	.....	.....	.....	.....	.....	.....	.....	6,000.00
1948	2,000.00	.....	.....	.....	.....	.....	.....	.....	2,000.00
1949	2,000.00	.....	.....	.....	.....	.....	.....	.....	2,000.00
Totals	\$143,000.00	\$50,000.00	\$67,300.00	\$16,000.00	230,000.00	\$ 1,500.00	\$ 1,500.00	1,500.00	\$509,300.00

BORROWING CAPACITY

	Total Valuation	Abatement Valuation	Net Valuation
1927	\$14,379,299.00	\$80,596.00	\$14,298,703.00
1928	15,040,325.00	89,811.00	14,950,514.00
1929	15,231,219.00	40,112.00	15,191,107.00
1929 Excise	1,017,730.00	93,194.00	924,536.00
Net Valuation for three years			45,364,860.00
Average valuation for three years			15,121,620.00
3% of average valuation			453,648.60
Total Funded Debt		\$509,300.00	
Less Exempted Loans:			
(Outside Debt Limit)			
Water Dept.	\$ 50,000.00		
Mun. Lt. Dept.	67,300.00		
Sewer Dept.	143,000.00		
School Bldg.	51,000.00		
		\$311,300.00	\$198,000.00
Borrowing Capacity, December 31, 1929			\$255,648.60

ACCOUNTING TRUST FUNDS**Balancing Account**

Balance Jan. 1, 1929	\$203,333.19	
Cemetery Bequests, Etc.	3,550.97	
Interest and Income	9,427.36	
Adjustment	125.00	
Transferred for Hospital Care		\$ 1,550.54
Transferred for Cemetery Maint		1,677.42
Transferred for Investment		4,780.00
Transferred for Scholarships		100.00
Balance Dec. 31, 1929		217,888.56
	\$221,216.52	\$221,216.52

CEMETERY BEQUEST FUND**Cr.**

Balance Jan. 1, 1929	\$ 46,339.72
Bequests, 1929	3,512.50
Interest and Income, 1929	2,304.24
Transfer from Cash, to be refunded	125.00

Dr.

Transferred for care of endowed lots	\$ 1,677.42
Balance Dec. 31, 1929	50,604.04
	\$ 52,281.46
	\$ 52,281.46

GEORGE F. BUCK FUND

Cr.			
Balance Jan. 1, 1929		\$	38.88
Interest, 1929			1.80
Dr.			
Balance Dec. 31, 1929	\$	40.68	
		<hr/>	
	\$	40.68	\$ 40.68

READING HIGH SCHOOL SCHOLARSHIP FUND

Cr.			
Balance Jan. 1, 1929		\$	5,237.66
Interest			250.20
Dr.			
Transferred for Scholarships	\$	100.00	
Balance Dec. 31, 1929		5,387.86	
		<hr/>	
	\$	5,487.86	\$ 5,487.86

HOSPITAL FUND

Cr.			
Balance Jan. 1, 1929			\$151,716.93
Interest, Income, etc.	\$	6,909.59	
Less Accrued Interest		26.25	
		<hr/>	\$ 6,883.34
Dr.			
Transferred for Hospital Care	\$	1,550.54	
Balance Dec. 31, 1929		157,049.73	
		<hr/>	
	\$158,600.27		\$158,600.27

STATEMENT OF INVESTED FUNDS

Cemetery Bequest Fund

Balance Dec. 31, 1929		\$ 50,604.04
Investments Listed at Par:		
12,000 U.S. Liberty Bonds, 4th 4¼'s, 1933-1938	\$	12,000.00
5,000 N. E. Tel. Tel. 1st Mort., 5's Series A 1952		5,000.00
5,000 No. Pac. Ry. Ref. & Imp., 6's Series B 2047		5,000.00
4,000 N. Y. C. R. R. Ref. Imp., 5's Series C 2013		4,000.00

Andover Savings Bank	3,394.16	
Cambridge Savings Bank	3,311.41	
Essex Savings Bank, Lawrence	3,394.16	
Mech. Savings Bank, Reading	14,504.31	
	<hr/>	<hr/>
	\$ 50,604.04	\$ 50,604.04

READING HIGH SCHOOL SCHOLARSHIP FUND

Balance Dec. 31, 1929		\$ 5,387.86
Investments:		
Andover Savings Bank	\$ 1,000.00	
Charlestown Five Cent Savings Bank	1,000.00	
Essex Savings Bank, Lawrence	1,000.00	
First Nat'l Bank, Reading, Sav. Dept.	2,387.86	
	<hr/>	<hr/>
	\$ 5,387.86	\$ 5,387.86

GEORGE F. BUCK FUND

Balance Dec. 31, 1929		\$ 40.63
Investment:		
Mechanics Savings Bank	\$ 40.63	
	<hr/>	<hr/>
	\$ 40.63	\$ 40.63

HOSPITAL FUND

Balance Dec. 31, 1929		\$157,049.73
Investments, Securities listed at Par or Less'		
\$5,000 Am. Tel. — Tel. Col. Tr. 5's, 1946	\$ 5,000.00	
\$5,000 Bos. & Albany R.R. Imp. of 1908, 4's, 1933	4,798.00	
\$5,000 Boston Elevated, 5's 1937	5,000.00	
\$5,000 Cent. Hudson Gas and Elec. 5's 1957	5,000.00	
\$5,000 Chicago B. & Q. R. R. Co., Ill., Div. "M" 3½'s 1949	4,347.50	
\$2,000 Conn. Lt. & Power Co., 1st Ref. S. F. 7's 1951	2,000.00	
\$5,000 Conn. Lt. & Power Co., 1st Ref. S. F. 4½'s 1956	4,787.50	
\$5,000 Consumers' Power Co., 5's 1936 ..	5,000.00	
\$5,000 Consolidated Gas of Baltimore Gen. M. 4½'s, 1954	4,922.50	
\$5,000 Ill. Cent. R. R. Co., Tr. 4's, 1952 .	4,437.50	
\$5,000 Ill. Cent. R. R. Co., St. Louis Div. 1st. M 3's, 1951	3,800.00	
\$5,000 Kansas City Power & Lt. 4½'s, 1957	5,000.00	

\$5,000 Kings Co. Elec. Lt. & Power 5's 1937	5,000.00	
\$5,000 N. Y. Cent & H. R. R. Deb. 4's, 1934	4,737.50	
\$5,000 N. Y. Tel. Co. 1st Gen. M. 4½'s 1939	4,950.00	
\$5,000 Old Colony R. R. 1st 5's, 1945 ...	5,000.00	
\$5,000 Pacific Gas & Elec. 4½'s, 1957 ...	5,000.00	
\$5,000 St. Paul, Minn. & Man. Ry. 4's, 1933	4,831.25	
\$5,000 Penn. R. R. Co. Gen'l. Mort.		
4½'s, 1965	4,753.75	
\$13,000 U. S. Liberty Bonds 4th 4½'s,		
1933-1938	13,000.00	
\$2,000 Wisconsin Power & Light 5's, 1956	2,000.00	
American Mfg. Co. Common 72 shares .	7,200.00	
Home Bleachery & Dye Works, Pfd. 2		
Shares	11.00	
Sharp Mfg. Co. Pfd. 55 Shares	2,035.00	
Sharp Mfg. Co., Com. 20 Shares	220.00	
Andover Savings Bank	5,657.01	
Charlestown Five Cent Savings Bank ..	5,657.03	
Essex Savings Bank, Lawrence	5,657.01	
Mechanics Savings Bank, Reading	14,079.96	
First Nat'l Bank, Reading, Savings Dept.	13,167.22	
	\$157,049.73	\$157,049.73

I hereby certify that, in accordance with the provisions of Section 53, Chapter 41, of the General Laws, I have audited the accounts of the Commissioners of Trust Funds, have examined the securities and verified bank balances and report the foregoing to be a true and accurate statement, December 31, 1929.

LEON G. BENT, Town Accountant.

BALANCE SHEET DEC. 31, 1928 **GENERAL ACCOUNTS**

Cash in Banks and Office	\$ 49,341.28	Temporary Loans Anticipation of Revenue	\$150,000.00
Taxes and Assessments Receivable		Overlays Reserved for Abatements	
Taxes, 1928	\$ 1,566.93	For 1928 Taxes	494.29
Taxes, 1929	149,219.45	For 1929 Taxes	2,482.67
Motor Vehicle Excise Tax	8,082.88		
Moth Assessments, 1929	371.50	Overlay Reserve Fund	\$ 2,976.96
Sewer Assessments and Interest	903.78	Moth Assessments Revenue	\$ 950.24
Sewer Rentals	227.70	Sewer Assessments Revenue	371.50
		Sewer Rentals Revenue	903.78
		Sewer Assessments due 1929-1936	227.70
Departmental Accounts Receivable	\$160,372.24	Motor Vehicle Excise Tax Revenue	4,207.54
Sewer Ass't. Appor'd Rec. 1929-1936	\$ 13,530.80	Departmental Accts. Rec. Revenue	8,032.88
Water Dept. Accounts Rec.	4,207.54	Water Dept. Accts. Rec. Revenue	13,530.80
Municipal Light Dept. Accounts Receivable	460.88	Mun. Light Dept. Accts. Rec. Rev.	460.88
Tax Titles Held by Town	33,684.80	Water Dept. Maintenance Acct. ..	33,684.80
Municipal Light Dept. Advanced	8,628.44	Sewer Depts. Maint. and Const. Account	16,806.97
Municipal Light Dept. Cash	19,230.92	Sewer Dept. House Conn. Acct. ..	12,363.60
Water Dept. Cash	250.00	Cemetery Reserve Fund	200.00
Public Library Cash	100.00	Cemetery Lots Sales & Bequests ..	4,684.71
Overdraft forward to 1930	15.00	Smith-Hughes Fund	287.50
Voc. Tuition	82.98	Appropriation Balances forward to 1929:	176.68
Cemetery Lots Sales and Bequests	287.50	Junior High School Building . \$	
Cemetery Bequest		Drainage System Survey	101.66
Transfer Account	125.00	Drainage System Const.	1,000.00
		Block System Survey	1,710.72
			4.50

World War Memorial	\$ 4,069.82
Land Damages	50.00
Water Mains Extension	1,222.58

\$ 8,159.28

Sale Land	\$ 748.25
Public Library Special Account .	22.60
Tax Titles Revenue	8,628.44
Excess and Deficiency Account ..	22,842.27

\$290,317.38

\$290,317.38

DEBT ACCOUNTS

Net Founded Debt

\$509,300.00

\$143,000.00

Sewer Construction Loans

50,000.00

Water Department Loans

67,300.00

Municipal Light Dept. Loans

16,000.00

Municipal Building Loans

1,500.00

Mun. Building and Library Loans

1,500.00

Brown Estate Loans

230,000.00

\$509,300.00

\$509,300.00

TRUST FUNDS

Trust Funds, Cash and Securities

\$217,888.56

\$ 50,604.04

Cemetery Bequest Fund

40.68

George F. Buck Fund

161,855.98

Hospital Fund

5,387.86

Reading High School Scholarship

\$217,888.56

\$217,888.56

\$217,888.56

GRACE V. VIALL, COLLECTOR

Dr.

Amount uncollected, Dec. 31, 1928, account 1927 Tax	\$ 199.57
" Interest collected, account 1927 Tax	11.60
" uncollected, Dec. 31, 1928, account 1928 Tax	156,050.51
" charged back from tax title account	79.56
" Interest collected, account 1928 Tax	5,887.28
" uncollected, Dec. 31, 1928 account 1928 Sewer	1,241.28
" Interest collected account 1928 Sewer	34.92
" Poll Tax Warrants, 1929	5,712.00
" General Tax Warrants, Sept. 1929	461,354.99
" Moth Tax, Sept. 1929	919.75
" Sidewalk Assessment, Sept. 1929	24.79
" Sewer Commitment, 1929	1,936.89
" Motor Vehicle Excise, Warrants, 1929	30,178.79
" General Tax Warrant, Dec. 1929	154.54
" Interest collected, account 1929 Tax	268.03
" Interest collected, account 1929 Sewer .....	.73
" Interest collected, account 1929 Excise	5.55
" uncollected Sewer rentals, Dec. 31, 1928	307.50
" Interest collected, account Sewer rentals	28.10
" Sewer Rentals, Jan. 1, 1929	4,418.10
" Sewer Rentals, July 1, 1929	4,548.90
" Sewer Betterment, Oct. 11, 1929	208.02
" Advanced payments on apportioned Sewer and Interest	71.35
" Costs and Charges	678.90

 \$674,321.65

IN ACCOUNT WITH TOWN OF READING

Cr.

Amount Paid Treasurer account 1927 Tax	\$ 166.54
“ abated account 1927 Tax	44.63
“ paid Treasurer account 1928 Tax and Interest	158,317.07
“ abated account 1928 Tax	1,022.81
“ transferred to tax title account 1928 Tax	1,110.54
“ unpaid account 1928 Tax	1,566.93
“ paid Treasurer account 1928 Sewer and Interest ..	1,276.20
“ paid Treasurer account 1929 Tax and Interest	315,102.73
“ abated account 1929 Tax	1,210.76
“ transferred to tax title account 1929 Tax	2,529.66
“ unpaid account 1929 Tax	149,590.95
“ paid Treasurer account 1929 Sewer and Interest ..	1,032.81
“ unpaid account 1929 Sewer	904.81
“ paid Treasurer account Motor Vehicle Excise and Interest	19,922.15
“ abated account Motor Vehicle Excise	2,179.31
“ unpaid account Motor Vehicle Excise	8,082.88
“ paid Treasurer account 1927 Sewer Rentals and Interest	9.20
“ paid Treasurer account 1928 Sewer Rentals and Interest	298.89
“ unpaid account 1928 Sewer Rentals	18.00
“ paid Treasurer account 1929 Sewer Rentals and Interest	8,765.72
“ abated account 1929 Sewer Rentals	1.09
“ unpaid account 1929 Sewer Rentals	209.70
“ paid Treasurer account Sewer Betterment	96.02
“ transferred to deferred payments Sewer Better- ment	112.00
“ paid Treasurer account advanced payments on apportioned Sewer and Interest	71.35
“ paid Treasurer account costs and charges	678.90
	<hr/>
	\$674,321.65

GRACE V. VIAL, Collector of Taxes.

Reading, Mass., Dec. 31, 1929

Approved: Leon G. Bent, Town Accountant.

GRACE V. VIAL, COLLECTOR.

REPORT OF TREASURER

For the Year Ended December 31, 1929

The transactions in the General Cash Account, in summary form, were as follows:

Balance January 1, 1929 \$ 44,429.58

Receipts:

Grace V. Viall, Collector	505,737.58
Municipal Light Department	303,089.43
Water Department	56,056.88
Sewer Department	1,779.41
School Department	16,315.77
Cemetery Department	8,698.24
Tree Warden and Moth Department	836.25
Other Departmental Receipts	14,741.55
Interest on Deposits	1,684.59
Temporary Loans in Anticipation of Revenue	345,000.00
Trust Funds Income	6,245.00
Trust Funds Transfers	6,557.42
Sales of Property, Taxes, Interest and Costs	1,814.39
Commonwealth of Massachusetts, Taxes ..	79,442.51
Miscellaneous Receipts	5,174.80

Total Receipts \$1,353,173.82

\$1,397,603.40

Disbursements:

Temporary Loans	320,000.00
Notes and Bonds, Funded Debt	69,800.00
Interest on Funded Debt	24,015.50
Interest on Temporary Loans	13,827.30
State Taxes and Assessments	33,722.96
County Tax	23,151.46
Other Disbursements	863,744.90

Total Disbursements \$1,348,262.12

Balance December 31, 1929 \$ 49,341.28

FUNDED DEBT

Outstanding January 1, 1929 \$579,100.00

Bonds and Notes Paid in 1929 \$ 69,800.00

Outstanding December 31, 1929 509,300.00

\$579,100.00

NOTES ISSUED IN ANTICIPATION OF REVENUE

Outstanding January 1, 1929	\$125,000.00	
Notes Issued in 1929	345,000.00	
		<hr/>
		\$470,000.00
Notes paid in 1929	\$320,000.00	
Outstanding December 31, 1929	150,000.00	
		<hr/>
		\$470,000.00

A more detailed statement of receipts and disbursements, and statement of the Trust Funds will be found in the report of the Town Accountant.

PRESTON F. NICHOLS, Treasurer.

REPORT OF INSPECTOR OF ANIMALS

To the Honorable Board of Selectmen:

At this time I wish to submit my report as Inspector of Animals for the year ending January 1, 1930.

Cattle inspected 250.

Goats inspected 3.

Hogs inspected 100

The premises where the above listed animals were kept were inspected and found to be satisfactory in practically all instances. Suggestions were made for improvement in a few cases, and later inspection showed the suggestions had been carried out.

Several of our dairies have applied for accreditation by the State and Federal authorities. Of course, that necessitates a tuberculin test on all cattle owned by the applicant, and subsequent additions to the herd must be disease free.

Rabies have been prevalent during the year. A number of cases have been reported, and I again urge that the utmost care be used in handling strange dogs.

The disease can be prevented by inoculation. The inoculation is safe and inexpensive and provides a year's immunity. If all dogs were inoculated, it is easy to see that the disease would be greatly checked.

CALVERT H. PLAYDON,

Inspector of Animals.

REPORT OF THE PLANNING BOARD

To the Citizens of Reading:

The Planning Board submits the following report for the year 1929:

During the past year the Board has convened on nineteen occasions, and in addition has been in session with the Board of Selectmen, Board of Public Works, Finance Committee, Board of Appeal, property owners; has held public hearings and attended several forum meetings; all in connection with matters which this Board thoroughly believed were of importance to the future welfare and growth of the Town.

After the Annual Town Meeting of March, 1929, both time and effort were expended in the preparation of a report and recommendations in connection with the improvement of Reading Common. This project was formulated following the result of a vote at the above meeting; namely, that this Board be allowed an expenditure of \$500.00 to employ an engineer to make a study of and draw plans for the improvement of the Common, to furnish a proper setting for the World War Memorial. Our complete plan and report were presented in detail at the Special Town Meeting of June 19, 1929, under Article 12, but met with adverse vote, on the grounds that the Town was not fairly represented at that meeting. It was therefore decided that the proposition should be held over until the annual meeting in March, 1930. As the report of this recommendation is already on file with the proper Town officials, it has not been incorporated in this annual report.

Early in the fall of 1929 it was definitely learned that almost immediate steps were to be taken to erect new buildings on the westerly side of Reading Square. Bearing in mind the belief that there was a distinct advantage in having a newly established or set-back line on this side, which would create a wider roadway and a more impressive alignment of buildings, bring relief to both traffic and parking facilities, and ultimately enhance all property values in and around the area affected, this Board considered it necessary to again approach the Town relative to the widening of the Square. Although at a previous Town Meeting it had been voted to indefinitely postpone action on this project, the Board was convinced that it should again bring in a similar recommendation. We agreed, as a Board, that the change at this time, that is, before the erection of new buildings, would be the last economical opportunity.

Therefore, the present Board has diligently worked on this proposition, conferring with Town and State officials, property owners, and with the public by means of the press and civic meetings. With facts and figures obtained, the Board of Selectmen was requested to call a special Town meeting, inasmuch as it would be too late to defer action

until the annual meeting of March, 1930, since ground had been broken in January for the erection of a new building. The owner of this property consented to suspend building operations until the matter was presented to the townspeople for their reconsideration. The special Town meeting was held on February 17, 1930, when the thorough and detailed proposition was placed before the citizens, under Article IV. However, by casting ballots, a two-thirds vote required in favor of the motion under said Article was not carried.

While spending the greater part of the past year on these two foregoing major projects, the Board has given some thought to the Town's lack of proper playgrounds, the present condition of Memorial Park, and the matter of reforestation. There is much opportunity for recommendations and constructive work on these worthy civic developments, and we trust that some time, in the not too distant future, the Town will give these subjects further study and adopt favorable action thereon.

Respectfully submitted,

LELAND W. KINGMAN, Chairman.
FREDERICK E. BOYERS, Secretary.
WINTHROP D. PARKER
GEORGE W. G. POOLE
GEORGE W. DAVIS

TREE WARDEN'S REPORT, 1929

To the Honorable Board of Selectmen:

Gentlemen:

I have planted one hundred and eighty trees on the roadside during the past year. There is a demand for young shade trees in the residential section and I intend to plant a larger number the coming year.

The moth situation remains about the same for the last three years. No browntail webs have been found in the town limits, but every tree has to be looked over carefully for gypsy moth eggs, and the same creosoted during the winter months.

I would recommend the same appropriation as last year for each department.

Respectfully submitted,

HENRY M. DONEGAN,
Tree Warden.

REPORT OF THE CHIEF OF THE FIRE DEPARTMENT

To the Citizens of Reading:

The annual report of the Fire Department is herewith submitted giving the record of fires that have occurred during the year ending December 31, 1929 together with such information as I think may be of interest to the town.

Finances

My financial transactions are all embodied in the report of the Town Accountant to which I would respectfully refer you for any information you may desire in that line.

Manual Force

The Department consists of nine permanent men (including the Chief) and twenty-one call men.

Apparatus and Equipment

The Department has five pieces of motor apparatus four of which are at the Central Fire Station, as follows: one Knox triple combination of 600 gallons per minute capacity which was purchased in 1913; one Seagrave combination of 600 gallons per minute capacity equipped with booster tank which was purchased this year. One Robinson combination service ladder truck which is equipped with a White motor. This machine was purchased in 1916 and one 1910 Simplex single tank combination which was built and equipped by the permanent force in 1923.

The Ford hose truck that did service for ten years at hose 2 station on Woburn street was this year replaced by the Seagrave Combination pump of 400 gallons per minute capacity which was purchased in 1926 and formerly stationed at the Central Fire Station.

A Hudson sedan was purchased this year for the use of the Chief and I have also purchased a Davis inhalator which is used extensively in resuscitation work.

All machines and equipment are in good working order at the present time.

Recommendations

I would recommend again this year the purchase of a new fire alarm system as the one we are now using is obsolete and very much over loaded. I also recommend the purchase of a foam generator to use when large quantities of inflammable liquids are on fire.

Fire Prevention

I have issued 789 permits for fires out of doors, 27 permits for the installation of oil burning equipment, 6 permits for the sale of fireworks and 2 blasting permits. The members of the permanent force and myself have made regular inspections of the mercantile district.

Record of Alarms

Month	Still	Bell	Total
January	17	2	19
February	13	2	15
March	30	11	41
April	26	7	33
May	21	8	29
June	16	5	21
July	15	9	24
August	12	10	22
September	7	3	10
October	38	13	51
November	27	5	32
December	9	7	16

Totals	231	82	313
Miles traveled			1,234.7
Number of feet of 2½ inch hose laid			17,950
Number of feet of 1½ inch hose laid			13,650
Number of feet of chemical hose used			5,500
Number of feet of ladders raised			1,058
Gallons of chemical used			362
Gallons of gasoline used			780
Gallons of oil used			32
Value of property in danger		\$298,557.00	
Insurance thereon		282,100.00	
Loss thereto		16,585.77	
Insurance paid thereon		14,804.77	
Uninsured loss		1,781.00	

The department has been to Wakefield five times on mutual aid and has made one run each to North Reading, Wilmington and Stoneham to render aid at fires.

There have been 14 calls other than fire duty at follows: 2 to unlock doors, 2 to release flags, 3 to help horses out of mud, 3 to remove cats from trees, 1 to look for lost persons, 2 to pump out cellars, 1 to remove dead man from roof and 1 to release cow from mud.

Conclusion

In concluding, I wish to extend to the Honorable Board of Selectmen, the Town Accountant, Treasurer and the Finance Committee, my thanks for the courtesies and co-operation I have received during the year. I wish to compliment the officers and members of the department on the prompt and efficient manner in which they have performed their duties. I also wish to express my thanks to the Eastern Massachusetts Street Railway Company for the use of current, to the Chief of Police for services rendered by members of his department at

fires and to employees of the New England Telephone and Telegraph Company for prompt and efficient service rendered in receiving alarms by telephone.

Respectfully submitted,

ORVILLE O. ORDWAY,
Chief of Fire Department.

REPORT OF FOREST WARDEN

To the Honorable Board of Selectmen:
Gentlemen:

The annual report of the Forest Warden is herewith submitted for the year ending December 31, 1929.

The financial transactions of this department are embodied in the report of the Town Accountant, to which I refer you for any information along this line.

I have posted all woodlands as in former years and have investigated all fires and sent reports of the same to the State Forest Warden.

I have appointed the following deputies and they were approved by the State Forest Warden, Henry M. Donegan, 11 Federal St., Hugh L. Eames, and John J. O'Brien, Central Fire Station.

In conclusion I wish to thank all who have in any way assisted this department during the year.

Respectfully submitted,

ORVILLE O. ORDWAY,
Forest Warden.

REPORT OF SUPERINTENDENT OF FIRE ALARM

To the Chief of the Fire Department:

Sir:—The report of the Superintendent of Fire Alarm for the year ending December 31st, 1929 is herewith submitted.

There have been no additions to the system the past year except one six inch gong.

Very much work will be necessary on the outside lines as the many poles replaced necessitates changing the Fire Alarm wires to the new poles. There are several places where the wire must be replaced with new.

With the growth of the Town there is great need of more fire alarm boxes. No boxes were added this year.

After being in use thirty-one years the present fire alarm central station equipment has passed its capacity and should be replaced the coming year with modern apparatus located in a fire proof room.

Fire Alarm

112 Woburn and Sanborn.	37 No. Main front of no. 409.
113 Woburn and Bancroft Ave.	38 No. Main and Forest.
114 Mt. Vernon and Chute.	381 Forest east of Colburn Rd.
115 Woburn and High.	39 No. Main and Franklin.
12 Central Fire Station.	41 Village and Green.
121 Main and Haven.	412 Boston Stove Foundry.
122 Haven and Gould.	414 Green and Beech.
123 Green east of High.	42 Haven and John.
13 Ash and Avon.	422 Pleasant and Eaton.
14 Oak and Hill Crest Rd.	43 Salem and John.
141 Hill Crest Rd. and Howard.	44 Salem and Pearl.
15 Walnut and Summer Ave.	442 Orange and Pierce.
16 So. Main and South.	45 Salem and Belmont.
17 Prescott near Arlington.	452 Salem and Libby Ave.
18 Minot and Park Ave.	46 Charles and Pearl.
19 Walnut and Curtis.	47 Charles and Haverhill.
21 Summer Ave. and Temple.	48 Bay State Rd.
212 Prescott and Sunnyside Ave.	*482 Old Fair Grounds, off Salem.
213 Pratt and Fairview Rd.	*485 Rifle Range, off Haverhill.
217 West and Howard.	51 Main, Ash and Washington.
221 Union St. School, (Private).	53 So. Main north of Cross.
223 Center School.	54 Ash and Cross.
224 High School, (Private).	55 Reading Rubber Mills.
225 Highland School, (Private).	6 C. H. Bangs Co., (Private).
226 Lowell St. School.	61 Lowell and Highland.
227 Prospect St. School.	611 Home for Aged Women (Pri.).
228 Chestnut Hill School.	612 Locust and Bancroft Ave.
23 Woburn and Temple.	614 Auburn and Park.
231 West beyond Longwood Rd.	62 Spare Box.
232 Junior High School.	63 Hanscom Av. beyond Weston Rd.
24 Mineral and Hancock.	642 Vine and Vale Rd.
242 Summer Ave. and Woodbine.	65 Middlesex Av. and Bancroft Av.
25 Prospect and King.	67 Middlesex Ave. and High.
252 Longwood Rd. nr. Prospect.	* 8 Out of Town.
26 Engine 2 house, Woburn St.	* 81 Call to Wakefield.
262 Berkeley and Freemont.	* 82 State Sanatorium, Nr. Reading.
27 Summer Ave. near Prescott.	
28 West and County Rd.	
29 West and King.	
31 Lowell and Grove.	
312 Lowell and Dustin.	
32 Franklin east of Grove.	
33 Lowell and Grand.	
34 Grove and Forest.	
35 No. Main and Locust.	
36 No. Main and Ridge Rd.	

Special Signals

2 Recall.
2 Test, 7.45 a. m. 5.45 p. m.
3 Followed by box, 2nd. alarm.
3 Followed in 1 min. by 3, Boy Scout Call.
4 Followed by box, 3rd alarm.
4 blows, Police Call.
22 No School Signal.

*Transmitter boxes, can be sounded only from Central Fire Station.

Respectfully submitted,

HUGH L. EAMES,
Superintendent of Fire Alarm.

REPORT OF CHIEF OF POLICE

To the Honorable Board of Selectmen.

Gentlemen: I herewith submit the annual report of the Police Department of the Town of Reading for the year ending December 31, 1929.

Arrests for year 1929—358

Males, 353; Females, 5; Residents, 86; Non-Residents, 272; Adults, 322; Minors, 36; American born, 309; Foreign born, 49.

Causes of Arrests

Larceny, 7; Assault and battery, 7; Drunkenness, 79; Carnal abuse, 1; Driving under influence of liquor, 32; Warrants for out of Town officers, 7; Non-support, 8; Hunting without a license, 4; Bastardy, 1; No home, 1; Delinquents, 3; Warrant for commitment after trial by M. N. G. 1; Automobile violation, 174; Keeping and exposing liquor for sale, 9; Illegal mfg., of liquor, 4; Illegal transportation, 1; Manslaughter, 2; Concealing leased property, 1; Indecent exposure, 1; Capias, 2; Breaking and entering with intent to commit rape, 1; Insane, 2; Military, 1; Selling cigarettes to minors, 1; Going away after causing accidents, 5; Carrying a revolver without a permit, 1; Escaped from institution, 3.

Disposition of Cases in Court

Fined, 179; Released, 20; On file, 68; Probation, 3; Discharge, 28; Turned over to out of Town officers, 20; Held for Grand Jury, 5; Appealed, 3; House of Correction, 5; House of Correction Suspended, 15; State Hospital, Tewksbury, 3; Defaulted, 2; Dismissed, 1; State Hospital, Danvers, 1.

Miscellaneous

Complaints investigated, 230; Automobile accidents, 240; Guarding mail, 71; Buildings found open and secured, 123; Lost children found and returned to parents, 32; Guarding pay rolls, 73; Street lights out, 30; Dogs killed by officers, 27; Dogs killed by automobiles, 27; Served summons for out Town officers, 43; Dog in trap released by officer, 1; Defective streets and sidewalks, 11; Windows open, 20; Call fire department, 8; Wires reported down, 9; Automobile reported by out of Town officers, 95; Dog restraint served, 8; Disturbances quelled, 7; Stopped runaway horse by officers, 1; Search warrants served, 7; Dead body taken care of, 1; Property left out side stores and brought to station, \$350.00; Property reported stolen, \$2675.50; Property recovered, \$1921.30; Vacated houses and special attention asked, 25; Automobiles transfer through the Police Department, 236.

Fines

Amount of Fines Imposed by Court

1 at \$3.00 each, \$3.00; 63 at \$5.00 each, \$315.00; 77 at \$10.00 each, \$770.00; 6 at \$15.00 each, \$90.00; 3 at \$25.00 each, \$75.00; 7 at \$30.00 each, \$210.00; 19 at \$50.00 each, \$950.00; 2 at \$75.00 each, \$150.00; 4 at \$100.00 each, \$400.00.

I recommend a new Police Station, the present station is inadequate for the business we have, with the cells in the cellar, with no communication from the time they are locked up, or until they are bailed out, or taken to court, without any privacy to talk over family troubles and other domestic troubles that we have patched up without any court proceeding, and the community should have some place to go over their trouble privately.

Conclusion

At this time I wish to thank the Honorable Board of Selectmen, the Judges of our District Court, our local Press, and all others who have assisted in promoting the welfare of this department; also the members of the force for what they have done.

Respectfully yours,

JEREMIAH CULLINANE,
Chief of Police.

REPORT OF INSPECTOR OF WIRES

To the Honorable Board of Selectmen:

I hereby submit my report for the year ending December 31st, 1929.

Number of inspections, 497; old buildings wired, 45; new buildings wired, 78; buildings rewired, 11; services replaced by heavier wire, 11; additions to wiring, 93; connections for power, 12; electric ranges, 9; oil burners, 38; mechanical stokers, 1; heater blowers, 5; refrigerators, 12; water heaters, 3; air compressors, 1; milking machines, 2; signs, 23; talking picture machines, 1; permits for temporary wiring, 4; complaints received and investigated, 4; changes ordered to unsafe or improperly installed wiring, 26; wiring condemned, 3; current cut off during fires, 3; inspections made to wiring damaged by fire, 3; number of permits given to connect services, 123; complaints made to State Examiners of Electricians, 8; hearings attended before State Examiners of Electricians, 1.

In general the electricians have taken great care to install wiring in a safe and proper manner. Those not following the proper methods in their work have been ordered to make corrections and in serious cases have been reported to the State Examiners of Electricians.

All wiring, new or additional, should be reported to the Inspector of Wires by the electrician doing the work. Failure to do so will be cause for complaint to the State Examiners.

The Town should have a by-law to govern the installation of wires.

All poles supporting wires are being tested and many have been condemned and will be replaced by the several companies owning same.

I wish to thank the public and the electricians for their co-operation with me in my work.

Respectfully submitted,

HUGH L. EAMES,
Inspector of Wires.

REPORT OF BOARD OF CEMETERY TRUSTEES

The report of the Superintendent of Cemeteries, Mr. William P. Pierpont, covering in detail the work of the Department and approved by the Trustees, is appended.

There have been no changes on the Board during this year. Mr. Philip H. Tirrell and Mr. Clarence C. White have served as Chairman and Secretary respectively. The terms of Mr. Philip H. Tirrell and Mr. Harold F. Davis expire and their associates are pleased to state that they will be candidates for re-election.

In reviewing the work of the year, the Board feels much gratified with the way the work has been carried on, considerable having been accomplished in the line of permanent improvements. It is the intention of the Board to continue this policy each year until both Cemeteries are in first class condition.

Most respectfully,

PHILIP H. TIRRELL, Chairman
CLARENCE C. WHITE, Secretary
HAROLD F. DAVIS
FRANK LEE EDGERLEY
FRED L. NUTTER
WINTHROP D. PARKER

Board of Cemetery Trustees.

LAUREL HILL CEMETERY REPORT, 1929

To the Board of Cemetery Trustees, Reading, Mass.
Gentlemen:

Following the usual custom, I herewith present to you my second annual report on the Reading Cemeteries, and also recommendations.

In Laurel Hill the regular maintenance work has been kept up during the year and several improvements have been made.

The Old Cemetery at Lowell Street entrance has been mowed and cleaned up and several stones have been straightened and cemented on a permanent foundation. I hope sometime enough money will be available to make improvements in this section.

Some work has been done on the land purchased from the Dexter Clapp Estate and we expect this next year the lots will be completed and ready to sell.

Four catch basins have been built, two at the Federal St. entrance, one at Cross Avenue and one at Hazel Path. Three hundred and sixty feet of corrugated drain pipe have been laid, which should take care of the surface water in this section of the Cemetery.

A new chain link fence, five feet in height, has been erected during the past year along the west and north boundaries, for a distance of nine hundred and forty-four feet. It makes a big improvement and we hope, in the near future, to replace all the old fence with this permanent construction. We have placed several hundred stepping stones in the Cemetery and planted numerous shrubs at Galen A. Parker Oval, which gives it a much better appearance at this Main Street entrance.

We have had seventy interments during the year, sold nine lots and twelve single graves. Ten old lots have been repaired and perpetual care placed on them.

The Cemetery Department assumes the right to build all foundations for monuments and markers. This insures the proper base laid at sufficient depth and firmly cemented, so that the frost will not throw the monument or marker and the whole becomes a permanent fixture. Fifty foundations have been built this season.

The avenues have been improved somewhat this year, but the material used is getting scarce. In accordance with the policy of the Board of Cemetery Trustees, to do a certain amount of permanent improvements each year, so that within a few years the Cemetery will be up-to-date and in good condition, I recommend macadam for Elm Avenue from Locust to Oak, and Walnut Avenue from Bow to Elm. These avenues being on the side hill wash badly and should be built of permanent material. The other avenues should have Tarvia B. Two or three applications would make a hard surface, which would need very little repair.

I would suggest that the Legion and lot owners, if baskets are used on Memorial Day, use hooks to keep them off the grass, as they ruin it and it is impossible to bring it back.

In concluding, I wish to thank the Tree Warden and the Board of Public Works for their many favors.

The financial statement will appear in the report of the Town Accountant.

Respectfully submitted,

WILLIAM P. PIERPONT,
Superintendent.

FOREST GLEN CEMETERY REPORT, 1929

To the Board of Cemetery Trustees, Reading, Mass.

Gentlemen:

The lots have been fertilized and kept mowed, as all lots are under perpetual care in this Cemetery.

The wall has been capped with three inch North River Bluestone a distance of six hundred and thirty-five feet. Six Japanese Yews have been planted at the Main Entrance and one hundred and sixteen Boston Ivy plants have been set out along the wall. Eleven maple trees, mostly Schwedled, purple leaf, have also been set out. Five hundred stepping stones have been placed this year in the paths.

Mr. Donegan, the Tree Warden, has set out nineteen Norway Maples in the tree lawn outside the Cemetery, which will beautify this section.

A portion of the hill has been set aside for the Reading Post #62, American Legion, for burial and memorial purposes.

This next year we should extend the wall and cap it from the Forest Street entrance to the west boundary, thus completing it around the section developed; and also plant a few more shrubs and place two hundred more stepping stones.

The financial statement will appear in the report of the Town Accountant.

Respectfully submitted,

WILLIAM P. PIERPONT,
Superintendent.

CUSTODIAN OF SOLDIERS' AND SAILORS' GRAVES

To the Honorable, Board of Selectmen:

Gentlemen:

I herewith submit my annual report for the year 1929 as Custodian of Veteran Soldiers' and Sailors' Graves.

One man has been employed a part of each working day, throughout the growing season, caring for the Veterans' lots. During the early fall, his time was devoted to raking leaves and regrading sunken graves. Twelve graves have been raised, and one has been wholly regraded.

Respectfully submitted,

WALTER I. SWEETSER,
Custodian of Soldiers' and Sailors' Graves.

REPORT OF SEALER OF WEIGHTS AND MEASURES

To the Board of Selectmen,
Town of Reading, Mass.
Gentlemen:

The following is my report of the week completed for the year 1929 by the Department of Weights and Measures. It consisted of the inspection, testing, sealing or condemning of all scales, weights and measures used in the town. The following table will acquaint you with the number of scales, weights and measures sealed or condemned.

By a comparison of the work completed this year with that of last year you will see that there has been a substantial increase in the same. This is due to the increase in the number of stores and also to the fact that there have been several new gasoline pumps installed this year.

There have been several new state laws passed this year affecting peddlers and transient vendors which it has been my duty to enforce.

Work Performed from December 1, 1928 to November 30, 1929, inclusive

1. Scales

	Adjusted	Sealed	Condemned
Platform, over 5000 lbs.	2	3	0
Platform, 100 to 5000 lbs.	10	16	1
Counter	13	26	0
Spring	15	43	0
Computing	17	31	2
Personal Weighing	4	17	1

2. Weights

Avoirdupois	3	147	0
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3. Automatic Liquid-Measuring Devices

Gasoline	0	59	0
Measures, (stops, etc.) on pumps	74	275	0

	138	617	4
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Reweighing Of Commodities As Put Up For Sale To The Public

Commodity	Number Tested	Correct	Incorrect	
			Under	Over
Coal, in paper bags	6	5	1	0
Ice	6	1	0	5
Grain	10	10	0	0
Flour	32	18	10	4
Butter	51	39	10	2
Dry Commodities, coffee, tea, beans, nuts, etc.	169	139	15	15

Meat and Provisions	47	39	4	4
Fruits and Vegetables	60	44	5	11
Bread	32	15	5	12
	<hr/>	<hr/>	<hr/>	<hr/>
Total	413	310	50	53

Store inspections, 32.

Ice dealers, 6.

Yours respectfully,

CARL M. SMITH, Sealer.

REPORT OF MILK INSPECTOR

To the Board of Health, Town of Reading, Mass.

Gentlemen:

The inspection of the milk supply of the Town of Reading for the year 1929 has varied very little from that of previous years. It has consisted of the collection of samples of milk from the dealers and producers and the analysis of the same for the butter-fat and total solids content; also the inspection of the cows and the dairies from which the milk was produced.

One local dealer has installed a pasteurizing plant, a step which I believe will shortly be necessary for all dealers to take, as it is only a question of a very few years before all milk will either be pasteurized or produced from tuberculin tested cattle.

Through co-operation with the Department of Agriculture a quality milk test was made of samples taken from sixteen dealers and producers. This is a test to show the cleanliness of the milk and also the keeping quality. I am very glad to report that local dealers and producers made a very creditable showing.

Yours respectfully,

CARL M. SMITH,

Inspector of Milk.

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